

Cloudera Certification	Hortonworks Certification	Data Science	Cloud Computing	Analytics	SAS Certification	Java /J2EE Training	NoSQL	Deep/Machine Learning
Python Programming	Scala Programming	SQL for Finance	Azure Training	Cassandra NoSQL	Salesforce	Tableau	QlickView	Many More

HadoopExam.com HadoopExam.com HadoopExam.com HadoopExam.com HadoopExam.com

1. [Apache Spark Professional Training with Hands On Lab Sessions](#)
2. [Oreilly Databricks Apache Spark Developer Certification Simulator](#)

MODULE 4: PYTHON DEFINING FUNCTIONS

By www.HadoopExam.com

Note: These instructions should be used with the HadoopExam Apache Spark: Professional Trainings. Where it is executed and you can do hands on with trainer.

1. Hadoop Training
2. Spark Training
3. HBase Training
4. MapR Developer
5. MapR HBase
6. CCA500 Certification
7. Spark Certification
8. EMC Data Science

Hadoop Specialization offer == 50% + 35% off

Hadoop Expert

~~52000INR~~ == 16900INR Only
~~\$1150~~ == \$373 Only
[Hadoop Specialization offer](#)

@ End of the Offer Prices will increase by 25%

Limited Time Offer (Less Than 5Days Remain)



[HORTONWORKS HDPCD \(Hadoop Developer Certification available with total 74 solved problem scenarios. Click for More Detail\)](#)

1. Function with return values.
2. Define Function
3. Conditional Statements
4. Function to solve Quadratic equation
5. Boolean Function

Step 1: Functions with Return Values

```
from numpy import add  
a=add(1,2) #Return a value
```

Note: If a function does not return a value. It means function return void.

Step 2: Define a function which return a value

```
def calculateTotalSalary(salary,bonus):  
    total = salary + (salary*bonus)/100  
    return total
```

Step 3: Now call this function

```
totalSalary = calculateTotalSalary(100000,12)
```

Step 4: Another way of defining the function

```
def calculateTotalSalary(salary,bonus):  
    return salary + (salary*bonus)/100
```

Step 5 : Conditional Statements:

```
def calculateTotalSalary(salary,bonus):  
    if salary < 100000:  
        total = salary + (salary*bonus)/100 + 5000  
    else:  
        total = salary + (salary*bonus)/100  
    return total
```

Step 6: Wrong way of using the conditions

```
def calculateTotalSalary(salary,bonus):  
    total=0  
    if salary < 100000:  
        total = salary + (salary*bonus)/100 + 5000  
    if salary > 100000:  
        total = salary + (salary*bonus)/100  
    return total
```

Now call the function.

```
print(calculateTotalSalary(100000,12))
```

Step 7: Now define a function for the Quadratic Equation Solution

```
ax2 + bx + c
```

There are two solutions for given value of a,b,c

```
Sol = -b +/- sqrt(b2 - 4ac)/2a
```

Sample Program

```
# import complex math module
import cmath

a = 1
b = 3
c = 4

distance = (b**2) - (4*a*c)

x1 = (-b-cmath.sqrt(distance))/(2*a)
x2 = (-b+cmath.sqrt(distance))/(2*a)

print x1
print x2
```

Step 8: Boolean functions: Functions which returns either True or False

```
str1='Hello and Welcome to HadoopExam Learning Resources'
str1.__contains__('Hello')
```

Step 9: Define our own Boolean functions

```
def myContain(st1,str2):
    if(str1!=" and str2!=" ):
        return str1.__contains__(str2)
    else :
        return False
```

Now call your own function

```
myContain('Hello and Welcome','Hello')
myContain('Hello and Welcome','')
myContain('','')
```

Cloudera Certification	Hortonworks Certification	Data Science	Cloud Computing	Analytics	SAS Certification	Java /J2EE Training	NoSQL	Deep/Machine Learning
Python Programming	Scala Programming	SQL for Finance	Azure Training	Cassandra NoSQL	Salesforce	Tableau	QlickView	Many More
HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com

Select the Package or Products from the Below Combination and Get Great Discount

Customize Your Package : Following Products are available. You can customize your own package. Please select Products from below list and send an email to hadoopexam@gmail.com . So, our team will reply with discounted price.

<p>Recorded Trainings (With Hands On Lab)</p> <ol style="list-style-type: none"> Hadoop BigData Professional Training (3500INR/\$79) HBase (NoSQL) Professional Training (3500INR/\$79) Apache Spark Professional Training (3900INR/\$89 for a week 3500INR/\$75) Apache Oozie (Hadoop Workflow Engine) Training 	<ol style="list-style-type: none"> Apache Spark Oreilly Developer Certification <p>Hortonworks Certification :</p> <ol style="list-style-type: none"> HDPCD : No Java 	<p>EMC :Data Science Certification Practice Questions</p> <ol style="list-style-type: none"> EMC E20-007 EMC E20-065
<p>Cloudera Certification Practice Question Bank</p> <ol style="list-style-type: none"> CCA50X : Hadoop Administrator CCA-175 Cloudera® (Hadoop and Spark Developer) CCP:DE575 : Cloudera® Data Engineer Certification CCA159 : Cloudera® Data Analyst Certification 	<p>AWS : Amazon WebService Certification Practice Question</p> <ol style="list-style-type: none"> AWS Solution Architect : Associate AWS Solution Architect: Professional AWS Developer : Associate AWS Sysops Admin : Associate 	<p>SAS Certffication Practice Questions</p> <ol style="list-style-type: none"> SAS Base A00-211 SAS Advanced A00-212 SAS Analytics : A00-240 SAS Administrator : A00-250
<p>MapR Hadoop/BigData Certification Practice Questions</p> <ol style="list-style-type: none"> MapR Hadoop Developer Certification MapR HBase NoSQL Certification MapR Spark Developer Certification 	<p>Microsoft Azure Cloud Certification</p> <ol style="list-style-type: none"> Azure 70-532 Azure 70-533 	<p>Oracle Certification Practice Questions</p> <ol style="list-style-type: none"> Java 1z0-808 1z0-060 (Oracle 12c) 1z0-061 (Oracle 12c)

DON'T FORGET TO SUBSCRIBE FOR UPDATE ON PRODUCTS

[Subscribe](#)

[Request an Exam or Training](#)

Cloudera Certification	Hortonworks Certification	Data Science	Cloud Computing	Analytics	SAS Certification	Java /J2EE Training	NoSQL	Deep/Machine Learning
Python Programming	Scala Programming	SQL for Finance	Azure Training	Cassandra NoSQL	Salesforce	Tableau	QlickView	Many More
HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com	HadoopExam.com

HadoopExam Learning Resource provides the following material for the Advanced Technologies.
Please visit www.HadoopExam.com for more detail this is just a few products from portfolio.

Price start for training with Just \$79/3500INR

 <p>Apache Spark Professional Training with HandsOn Session + Certification Material</p>	 <p>Hadoop Professional Training with HandsOn Session + Certification Material</p>	 <p>HBase Professional Training with HandsOn Session + Certification Material</p>	 <p>Certification Material</p>	 <p>Certification Material</p>
 <p>Certification Material</p>	 <p>Certification Material</p>	 <p>Certification Material</p>	 <p>Certification Material</p>	 <p>Certification Material</p>