**Python code for Taster – Introduction to Python**

Below codes are used for **Taster Programme: Python – Introduction**.

**add.py**

|  |
| --- |
| num1 = int(input (**"Please enter a number: "**)) num2 = int(input (**"Please enter another number: "**)) add = num1 + num2 print (num1, **"+"**, num2, **" = "** + str(add)) |

**Add3numbers.py**

|  |
| --- |
| num1 = int(input (**"Please enter a number: "**)) num2 = int(input (**"Please enter the second number: "**)) num3 = int(input (**"Please enter the third number: "**)) add = str(num1 + num2 + num3) print (num1, **"+"**, num2, **"+"**, num3, **" = "** + add) |

**M\_F\_selection.py**

|  |
| --- |
| sex = str(input (**"Your test sex (male/female): "**)) *# check the test mark* **if** sex == **"male"**:  print(**"Go to the LEFT toilet!"**) **else**:  print(**"Go to the RIGHT toilet!"**) |

**checkGrade.py**

|  |
| --- |
| testMark = float(input (**"Your test mark: "**)) *# check the test mark* **if** testMark >= 80:  print(**"Pass with Distinction!!"**) **elif** testMark >=60 **and** testMark<80:  print(**"Pass with Credit!"**) **elif** testMark >=40 **and** testMark < 60:  print(**"Pass!"**) **else**:  print(**"Fail!"**) |

**forLoopHello.py**

|  |
| --- |
| **for** i **in** range (0,5):  print (**"Hello World"**) |

**whileLoopHello.py**

|  |
| --- |
| i = 0 **while** i < 5:  print (**"Hello World"**)  i = i + 1 |

**printStar.py**

|  |
| --- |
| n = int (input(**"Enter a number n:"**)) **for** i **in** range (0, n):  print(**"\* "**, end=**""**) |

**printStar2loop.py**

|  |
| --- |
| n = int (input(**"Enter a number n:"**)) **for** j **in** range (0, n):  **for** i **in** range (0, n):  print(**"\* "**, end=**""**)  print (**""**) |

**nestedLoopAddStar.py**

|  |
| --- |
| n = int (input(**"Enter a number n:"**)) **for** j **in** range (0, n):  **for** i **in** range (0, j+1):  print(**"\* "**, end=**""**)  print (**""**) |

**nestedLoopReduceStar.py**

|  |
| --- |
| n = int (input(**"Enter a number n:"**)) **for** j **in** range (0, n):  **for** i **in** range (0, n-j):  print(**"\* "**, end=**""**)  print (**""**) |

**pythagoras.py**

|  |
| --- |
| **import** math a = float(input(**"a= "**)) b = float(input(**"b= "**)) c = math.sqrt(a\*a + b\*b) print (**"c= %.2f"** % c) |

**func\_printString.py**

|  |
| --- |
| **def** printString( strPrint, n):  **for** i **in** range (0, n):  print (strPrint) printString (**"This Taster Programme is interesting"**, 6) |

**func\_cal.py**

|  |
| --- |
| **def** addition(num1, num2):  answer = num1 + num2  **return** answer a = float(input(**"a="**)) b = float(input(**"b="**)) print (a, **"+"**, b, **"= %.2f"** % addition(a, b)) |