**Note : the solution is tried and tested in Pycharm**

Solution 1:

percent = int(input("Enter Percentage Here:"))

if percent > 90:

print(f"Your Percentage is {percent}% and Grade is A")

elif 80 < percent <= 90:

print(f"Your Percentage is {percent}% and Grade is B")

elif 60 < percent <= 80:

print(f"Your Percentage is {percent}% and Grade is C")

else:

print(f"Your Percentage is {percent}% and Grade is D")

Solution 2:

cost= int(input("Enter Cost Price Here:"))

if cost > 100000:

print("The Road tax to be paid is {}".format(cost \* 0.15))

elif 50000 < cost <= 100000:

print("The Road tax to be paid is {}".format(cost \* 0.1))

else:

print("The Road tax to be paid is {}".format(cost \* 0.05))

Solution 3:

city = input("Enter the City Name:").lower()

if city.lower() == 'delhi':

print(f"the Monument for {city} is Red Fort")

elif city.lower() == 'agra':

print(f"the Monument for {city} is Taj Mahal")

elif city.lower() == 'jaipur':

print(f"the Monument for {city} is Jai Mahal")

Solution 4:

counter = 0

def divideby3(number):

global counter

if number <= 10:

return

else:

number = number/3

counter = counter + 1

return divideby3(number)

divideby3(100)

print("Total Nimber ca be divide is:",counter)

Solution 5:

* In Programming loops are used to repeat a block of code multiple times.
* The while is one of the ways to repeat a block of code multiple times if and only if a condition is met True.
* The lifetime of the loop is until the condition is True, once the condition becomes false the loops ends
* Example to print a number from 1 to 10 using while:

i = 1

while i <= 10:

print(i)

i += 1

* The initial value of i = 0 , once the loop proceeds the values of “i” increases by one each cycle and reaches to 11
* Since 11 is not less than 10 ,this create a false condition
* And the loop ends

Solution 6:

Right angle triangle:

length = int(input('Enter number of rows : '))

i = 1

while i <= length :

j = 1

while j <= i:

print("\*", end = " ")

j += 1

print()

i += 1

Inverted Right Angle triangle:

length = int(input('Enter number of rows : '))

i = 1

while i <= length:

j = length

while j >= i:

print("\*", end=" ")

j -= 1

print()

i += 1

right angled triangle with numbers:

length = int(input('Enter the number of rows: '))

i = 1

while i <= length :

j = 1

while j <= i:

print(f"{i}", end = " ")

j += 1

print("")

i += 1

Solution 7:

i = 10

while i>=1:

print(i)

i -= 1

Solution 8:(Repeated Question in Document)

i = 10

while i>=1:

print(i)

i -= 1