

Hafiz Junid Ahmed Ansari

Python Assignment 3

#Q No1) write a python program to print th following string in a specific format(see the output)?

```
print("Twinkle,twinkle, little star,\n      How i wonder What you are!\n      Up above the world\n      so high\n      Like a dimond in the sky.");
```

```
print("Twikle twinke, little star\n      How I wonder what you are");
```

```
Twinkle,twinkle, little star,
      How i wonder What you are!
              Up above the world so high
              Like a dimond in the sky.
Twikle twinke, little star
      How I wonder what you are
```

#Qno 2) write a Python program to get the Python version you are using ?

```
import sys
print(sys.version);
```

```
3.8.8 (default, Apr 13 2021, 15:08:03) [MSC v.1916 64 bit (AMD64)]
```

```
#Qno 2) write a Python program to get the Python version you are using ?
```

```
import sys
print(sys.version);
```

```
3.8.8 (default, Apr 13 2021, 15:08:03) [MSC v.1916 64 bit (AMD64)]
```

#Qno3) Write a Python program to display the current date and time. ?

```
import datetime
```

```
now = datetime.datetime.now()
```

```
print ("Current date and time : ")
```

```
print (now.strftime("%Y-%m-%d %H:%M:%S"))
```

```
Current date and time :
2021-10-22 11:37:09
```

```
#Qno3) Write a Python program to display the current date and time. ?
import datetime
now = datetime.datetime.now()
print ("Current date and time : ")
print (now.strftime("%Y-%m-%d %H:%M:%S"))
```

```
Current date and time :
2021-10-22 11:37:09
```

#Qno4) Write a Python program which accepts the radius of a circle from the user and compute the area?

```
pi=3.1424
```

```
HafizjunaidAhmed = float(input("Input the radius of the circle : "))
```

```
print ("The area of the circle with radius " + str(HafizjunaidAhmed) + " is: " + str(pi *
HafizjunaidAhmed**2));
```

```
Input the radius of the circle : 6
```

```
The area of the circle with radius 6.0 is: 113.12639999999999
```

```
: #Qno4) Write a Python program which accepts the radius of a circle from the user and compute the area?
pi=3.1424
HafizjunaidAhmed = float(input("Input the radius of the circle : "))
print ("The area of the circle with radius " + str(HafizjunaidAhmed) + " is: " + str(pi * HafizjunaidAhmed**2));

Input the radius of the circle : 6
The area of the circle with radius 6.0 is: 113.12639999999999
```

#Qno5). Write a Python program which accepts the user's first and last name and print them in reverse order with a space between them. ?

```
first_name = input("Input your First Name : ")
```

```
last_name = input("Input your Last Name : ")
```

```
print ("Reverse order Name print " + last_name + " " + first_name)
```

```
<
Input your First Name : Hafiz
Input your Last Name : Junaid
Reverse order Name print Junaid Hafiz
```

#Qno6) Write a python program which takes two inputs from user and print them addition?

```
first_input=int(input("please enter first input:"))
```

```
second_input=int(input("Please enter 2nd input "))  
addition=first_input + second_input;  
print("Addition of Two number " +str(addition))
```

```
please enter first input:6  
Please enter 2nd input 6  
Addition of Two number 12
```

#Qno 7)Write a program which takes 5 inputs from user for different subject's marks, total it and generate mark sheet using grades ?

```
print("Hafiz Junaid Ahmed Ansari");
```

```
Maths=int(input("please enter Maths Marks:"))  
Computer=int(input("Please enter Computer Marks "))  
Urdu=int(input("please enter urdu Marks :"))  
Physics=int(input("Please enter Physics Marks "))  
Islamiat=int(input("please enter Islamiat Marks:"))
```

```
TotalMarks = 500;
```

```
ObtainedMarks = Maths+Computer+Islamiat+Urdu+Physics;  
print( "Total ObtainedMarks: " + str(ObtainedMarks));
```

```
Percentage = ObtainedMarks * 100 / TotalMarks;  
print("Percentage : " + str(Percentage));
```

```

if Percentage >= 80:
    print("Congratulations You Got A+1 Grage")
elif Percentage >= 70 and Percentage <= 80:
    print("Congratulations You Got A Grage")
elif Percentage >= 60 and Percentage <=70:
    print("Congratulations You Got B Grage")
elif Percentage >= 50 and Percentage <= 60:
    print("Congratulation You Got a C grade")
elif Percentage >= 40 and Percentage <= 50:
    print("Congratulation You Got a D grade")
elif Percentage <= 40:
    print("Try Again You Are Failed")

```

```

Hafiz Junaid Ahmed Ansari
please enter Maths Marks:77
Please enter Computer Marks 89
please enter urdu Marks :92
Please enter Physics Marks 68
please enter Islamiat Marks:75
Total ObtainedMarks: 401
Percentage : 80.2
Congratulations You Got A+1 Grage

```

#Qno8) rite a program which take input from user and identify that the given number is even or odd?

```

user_input=int(input("please enter to check even or odd number"))
if(user_input % 2)==0:
    print("input number is even "+str(user_input))
else:
    print("The Input number is odd "+str(user_input))

```

```
please enter to check even or odd number7
The Input number is odd 7
```

#Qno9? Write a program which print the length of the list?

```
length_of_list = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, "Hafiz", "Junaid", "Ahmed", "Ansari"]
print("The length of the list is", len(length_of_list))
```

```
#Qno9? Write a program which print the length of the list?

length_of_list = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, "Hafiz", "Junaid", "Ahmed", "Ansari"]
print("The length of the list is", len(length_of_list))

The length of the list is 15
```

#QNo10) write a Python program to sum all the numeric items in a list?

Total = 0

```
listtotal = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]
```

```
for Junaid in range(0, len(listtotal)):
```

```
    Total = Total + list1[Junaid]
```

```
# printing total value
```

```
print("Sum of all elements in given list: ", Total)
```

```
#QNo10) write a Python program to sum all the numeric items in a list?  
Total = 0
```

```
listtotal = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]
```

```
for Junaaid in range(0, len(listtotal)):  
    Total =Total + list1[Junaaid]
```

```
# printing total value  
print("Sum of all elements in given list: ", Total)
```

```
Sum of all elements in given list: 232
```

#QNo11)Write a Python program to get the largest number from a numeric list. ?

```
listtotal = [1, 1, 2, 3, 5, 100, 13, 21, 99, 55, 89]
```

```
listtotal.sort()
```

```
print("largest Number of the List is: ",listtotal[-1])
```

```
: #QNo11)Write a Python program to get the largest number from a numeric list. ?
```

```
listtotal = [1, 1, 2, 3, 5, 100, 13, 21, 99, 55, 89]  
listtotal.sort()  
print("largest Number of the List is: ",listtotal[-1])
```

```
largest Number of the List is: 100
```

#QNo12) Take a list, say for example this one:

```
#a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]
```

#Write a program that prints out all the elements of the list that are less than 5.

```
a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]
```

```
Junaaid=[Hafiz for Hafiz in a if Hafiz <5]
```

print("Given List of Element less than 5: Show ",Junaid)

```
: #QNo12) Take a list, say for example this one:  
  
#a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]  
#Write a program that prints out all the elements of the list that are less than 5.  
  
a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]  
  
Junaid=[Hafiz for Hafiz in a if Hafiz <5]  
print("Given List of Element less than 5: Show ",Junaid)|
```

Given List of Element less than 5: Show [1, 1, 2, 3]