Python Programming

**Vishal Khetmalis**

**220340325058**

#Q.1) Convert given hrs & mins in second

hrs=int(input("Enter the time in hours: "))

min=int(input("Enter the time in minutes: "))

sec=(min\*60)+(hrs\*3600)

print("Given time in seconds is: ",sec)

#Q.2) Write code to find the average of ‘n’ numbers entered by the user to function avg ( )

def avg(\*n):

count=0

sum=0

for i in n:

sum=sum+i

count+=1

average= sum/count

print("Average of entered numbers is: ",average)

avg(10,20,30,40)

#Q.4) Write a code to accept a number & print in words.

num=int(input("Enter a number: "))

if num

#Q.5) Create class math

class Math:

def Set\_data(self,a,b):

self.num1=a

self.num2=b

def Add(self,n1,n2):

self.num1=n1

self.num2=n2

result=n1+n2

print("Addition is: ",result)

def Div(self,n1,n2):

self.num1=n1

self.num2=n2

result=n1//n2

print("Divisiion is: ",result)

def Sub(self,n1,n2):

self.num1=n1

self.num2=n2

result=n1-n2

print("Substraction is: ",result)

def Mul(self,n1,n2):

self.num1=n1

self.num2=n2

result=n1\*n2

print("Multiplication is: ",result)

o1=Math()

o1.Set\_data(15,10)

o1.Add(15,10)

o1.Div(15,10)

o1.Sub(15,10)

o1.Mul(15,10)

#Q.7) Convert Paise in Rupees & Paises

rs=int(input("Enter amount: "))

ps= rs%100

rp=rs//100

print(rs," is ",rp,"Rupees ",ps,"Paise")

#Q.9) Accept String & print only alternate characters on a string.

s=input("Enter a string: ")

print(s[::2])

#Q.10) Create menu driven code for 1) Accept 2 numbers 2) Add 3) Sub 4) Mul 5) Div

while True:

choice=int(input("Enter \n1) Accept 2 numbers \n2) Add \n3) Sub \n4) Mul \n5) Div \nChoice:"))

if choice==1:

n1=int(input("Enter first number: "))

n2=int(input("Enter second number: "))

elif choice==2:

add=n1+n2

print("Addition is:",add)

elif choice==3:

sub=n1-n2

print("Substraction is:",sub)

elif choice==4:

mul=n1\*n2

print("Multiplication is:",mul)

elif choice==5:

div=n1//n2

print("Division is:",div)

else:

choice==0

break

R Programming

#1. Write a R program to create a sequence of numbers from 20 to 50 and find the mean

#of numbers from 20 to 60 and sum of numbers from 51 to 91.

print("The sequence of numbers from 20 to 50 is: ")

print(seq(20,50))

print("The mean of numbers from 20 to 60 is: ")

print(mean(20:60))

print("The sum of numbers from 51 to 91 is: ")

print(sum(51:91))

#2. Write a R program to print the numbers from 1 to 100 and print "Fizz" for multiples

#of 3, print "Buzz" for multiples of 5, and print "FizzBuzz" for multiples of both.

print("The numbers from 1 to 100 as required are: ")

for (i in 1:100)

{

if (i%%3==0 & i %%5==0)

{

print("FizzBuzz")

}

else if (i%%3==0)

{

print("Fizz")

}

else if (i%%5==0)

{

print("Buzz")

}

else

print(i)

}