PYTHON:

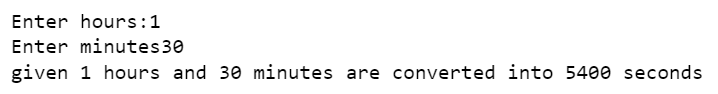
Q.1) Convert given hrs & mins in second

Ans: h=int(input("Enter hours:"))

m=int(input("Enter minutes"))

sec=(h\*3600)+(m\*60)

print("given",h,"hours and",m,"minutes are converted into",sec,"seconds")

O/P: 

Q.2) Write code to find the average of ‘n’ numbers entered by the user to function avg ( ). Ex: avg (10, 20, 30, 40) => average is: 70 avg (5, 10, 15) => average is: 10

Ans: def avg(\*n):

avg=sum(n)/len(n)

print(avg)

avg(10,20,30,40)

o/P: 25.0

Q.4) Write a code to accept a number & print in words. Ex: 123 Three Two One

Ans num=input("Enter any number")

for i in num:

if int(i)==1:

print("one")

elif int(i)==2:

print("two")

elif int(i)==3:

print("three")

elif int(i)==4:

print("four")

elif int(i)==5:

print("five")

elif int(i)==6:

print("six")

elif int(i)==7:

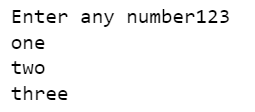
print("seven")

elif int(i)==8:

print("eight")

elif int(i)==9:

print("nine")

O/P: 

Q.5) Create class Math

Ans class Math:

def \_\_init\_\_(self,a,b):

self.a=a

self.b=b

def Add(self):

return self.a+self.b

def Div(self):

return self.a/self.b

def Sub(self):

return self.a-self.b

def Mul(self):

return self.a\*self.b

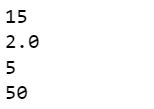
a=Math(10,5)

print(a.Add())

print(a.Div())

print(a.Sub())

print(a.Mul())

O/P: 

Q.8) Print 1

3 3

5 5 5

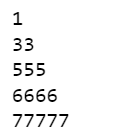
6 6 6 6

7 7 7 7 7

Ans: a='13567'

for i in range(len(a)):

print(a[i]\*(i+1))



Q.9) Accept String & print only alternate characters on a string. Ex: this i s a \_ test

Ans: a=input("enter the string")

for i in range(len(a)):

if i%2!=0:

print(a[i],end=" ")

O/P: 

R

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("sequence of numbers from 20 to 50")

[1] "sequence of numbers from 20 to 50"

> print(seq(20,50))

[1] 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

[29] 48 49 50

> print("mean of numbers from 20 to 60")

[1] "mean of numbers from 20 to 60"

> print(mean(20:60))

[1] 40

> print("sum of numbers from 51 to 91")

[1] "sum of numbers from 51 to 91"

> print(sum(51:91))

[1] 2911

1

[1] 2

[1] "Fizz"

[1] 4

[1] "Buzz"

[1] "Fizz"

[1] 7

[1] 8

[1] "Fizz"

[1] "Buzz"

[1] 11

[1] "Fizz"

[1] 13

[1] 14

[1] "FizzBuzz"

[1] 16

[1] 17

[1] "Fizz"

[1] 19

[1] "Buzz"

[1] "Fizz"

[1] 22

[1] 23

[1] "Fizz"

[1] "Buzz"

[1] 26

[1] "Fizz"

[1] 28

[1] 29

[1] "FizzBuzz"

[1] 31

[1] 32

[1] "Fizz"

[1] 34

[1] "Buzz"

[1] "Fizz"

[1] 37

[1] 38

[1] "Fizz"

[1] "Buzz"

[1] 41

[1] "Fizz"

[1] 43

[1] 44

[1] "FizzBuzz"

[1] 46

[1] 47

[1] "Fizz"

[1] 49

[1] "Buzz"

[1] "Fizz"

[1] 52

[1] 53

[1] "Fizz"

[1] "Buzz"

[1] 56

[1] "Fizz"

[1] 58

[1] 59

[1] "FizzBuzz"

[1] 61

[1] 62

[1] "Fizz"

[1] 64

[1] "Buzz"

[1] "Fizz"

[1] 67

[1] 68

[1] "Fizz"

[1] "Buzz"

[1] 71

[1] "Fizz"

[1] 73

[1] 74

[1] "FizzBuzz"

[1] 76

[1] 77

[1] "Fizz"

[1] 79

[1] "Buzz"

[1] "Fizz"

[1] 82

[1] 83

[1] "Fizz"

[1] "Buzz"

[1] 86

[1] "Fizz"

[1] 88

[1] 89

[1] "FizzBuzz"

[1] 91

[1] 92

[1] "Fizz"

[1] 94

[1] "Buzz"

[1] "Fizz"

[1] 97

[1] 98

[1] "Fizz"

[1] "Buzz

print("To print numbers from 1 to 100")

[1] "To print numbers from 1 to 100"

> 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)}

+ }

O/P: 1

[1] 2

[1] "Fizz"

[1] 4

[1] "Buzz"

[1] "Fizz"

[1] 7

[1] 8

[1] "Fizz"

[1] "Buzz"

[1] 11

[1] "Fizz"

[1] 13

[1] 14

[1] "FizzBuzz"

[1] 16

[1] 17

[1] "Fizz"

[1] 19

[1] "Buzz"

[1] "Fizz"

[1] 22

[1] 23

[1] "Fizz"

[1] "Buzz"

[1] 26

[1] "Fizz"

[1] 28

[1] 29

[1] "FizzBuzz"

[1] 31

[1] 32

[1] "Fizz"

[1] 34

[1] "Buzz"

[1] "Fizz"

[1] 37

[1] 38

[1] "Fizz"

[1] "Buzz"

[1] 41

[1] "Fizz"

[1] 43

[1] 44

[1] "FizzBuzz"

[1] 46

[1] 47

[1] "Fizz"

[1] 49

[1] "Buzz"

[1] "Fizz"

[1] 52

[1] 53

[1] "Fizz"

[1] "Buzz"

[1] 56

[1] "Fizz"

[1] 58

[1] 59

[1] "FizzBuzz"

[1] 61

[1] 62

[1] "Fizz"

[1] 64

[1] "Buzz"

[1] "Fizz"

[1] 67

[1] 68

[1] "Fizz"

[1] "Buzz"

[1] 71

[1] "Fizz"

[1] 73

[1] 74

[1] "FizzBuzz"

[1] 76

[1] 77

[1] "Fizz"

[1] 79

[1] "Buzz"

[1] "Fizz"

[1] 82

[1] 83

[1] "Fizz"

[1] "Buzz"

[1] 86

[1] "Fizz"

[1] 88

[1] 89

[1] "FizzBuzz"

[1] 91

[1] 92

[1] "Fizz"

[1] 94

[1] "Buzz"

[1] "Fizz"

[1] 97

[1] 98

[1] "Fizz"

[1] "Buzz