To demonstrate python shell

>>> print(“hai”)

>>> print(‘hai’)

>>> print('''hai''')

>>>2+3

5

>>>40-2

38

>>>40/2

20.0

>>>40%2

0

>>>40\*\*2

1600

>>>print("hai");print("hello");

hai

hello

>>>msg="hai"

>>>print(msg)

hai

>>>a=5

>>>a

5

>>>print(a)

5

>>>a=2.2

>>>a

2.2

>>>a='A'

>>>a

'A'

>>>a="A"

>>>a

'A’

PYTHON SCRIPTS

Program 1:

**To add two numbers without taking input from the user**

a=5

b=10

c=a+b

print(c)

Output: 15

**To add two numbers taking input from the user**

a=input("enter first number:")

b=input("enter second number:")

c=a+b

print(c)

Output:

enter first number10

enter second number20

1020

**Using int for input statement**

a=int(input("enter first number:"))

b=int(input("enter second number:"))

c=a+b

print(c)

Output:

enter first number:10

enter second number:20

30

**Formatting output statement**

a=int(input("enter first number:"))

b=int(input("enter second number:"))

c=a+b

print("The sum of {0} and {1} is {2}".format(a,b,c))

Output:

enter first number:10

enter second number:20

The sum of 10 and 20 is 30

**Variation in print statements**

a=int(input("enter first number:"))

b=int(input("enter second number:"))

c=a+b

print("The sum of two number is " ,c)

Output:

enter first number:10

enter second number:20

The sum of two number is 30

**Program to demonstrate arithmetic operations**

a=int(input("enter first number:"))

b=int(input("enter second number:"))

sum=a+b

diff=a-b

prod=a\*b

quot=a/b

rem=a%b

print("The sum of two number is " ,sum)

print("The difference of two number is " ,diff)

print("The product of two number is " ,prod)

print("The quotient is " ,quot)

print("The remainder is " ,rem)

Output:

enter first number:10

enter second number:2

The sum of two number is 12

The difference of two number is 8

The product of two number is 20

The quotient is 5.0

The remainder is 0

**Python program to convert km to miles**

dist=float(input("enter distance is km:"))

miles=dist \* 0.621

print("distance in miles is ",miles)

Output:

enter distance is km:10

distance in miles is 6.21