PROGRAM 11:

outPUT:

>>> a=9

>>> a

9

>>> a+25

34

>>> a-7

2

>>> a\*a

81

>>> a\*\*2

81

>>> a/6

1.5

>>> a//6

1

>>> 25%5

0

>>> 25%6

1

>>> exit()

PROGRAM 12:

INPUT:

#using of functions

a=int(input("enter value of a"))

b=int(input("enter value of b"))

def add():

a+b

return a+b

print(("addition of a and b"),add())

def sub():

return a-b

print(("subtraction of a and b"),sub())

def mult():

return a\*b

print(("multiplication of a and b"),mult())

def div():

return a/b

print(("divsion of a and b"),div())

OUTPUT:

enter value of a55

enter value of b10

addition of a and b 65

subtraction of a and b 45

multiplication of a and b 550

divsion of a and b 5.5

PROGRAM 13:

INPUT:

#simple calculator

i=int(input("enter value of i:"))

j=int(input("enter value of j:"))

o=input("what do you want to perform?")

def add():

return i+j

def sub():

return i-j

def mult():

return i\*j

def div():

return i/j

if (o=='+'):

print("addition=",add())

elif(o=='-'):

print("subtraction=",sub())

elif(o=='\*'):

print("multiplication=",mult())

elif(o=='/'):

print("division=",div())

OUTPUT:

enter value of i:2

enter value of j:4

what do you want to perform?+

addition= 6

PROGRAM 14:

INPUT:

#sanke and ladder

import random

count=0

def myroll():

return random.randint(1,6)

while(count<=100):

n=input("press r to roll the dice")

if(n=='r'):

r=myroll()

count=count+r

print("u got",r)

print("new position is",count)

if(count==8):

count=37

print("you climbed the ladder")

elif(count==11):

count=2

print("Snake has bitten you")

elif(count==13):

count=34

print("you climbed the ladder")

elif(count==25):

count=4

ptint("Snake has bitten you")

elif(count==38):

count=9

print("Snake has bitten you")