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:

#snake 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")

elif(count==40):

count=68

print("you climbed the ladder")

elif(count==52):

count=81

print("you climbed the ladder")

elif(count==65):

count=46

print("Snake has bitten you")

elif(count==76):

count=97

print("you climbed the ladder")

elif(count==89):

count=70

print("Snake has bitten you")

elif(count==93):

count=64

print("Snake has bitten you")

elif(count>100):

print("count is beyond 100")

count=count-r

elif(count==100):

print("yay!you won")

break

OUTPUT:

press r to roll the dicer

u got 4

new position is 4

press r to roll the dicer

u got 3

new position is 7

press r to roll the dicer

u got 6

new position is 13

you climbed the ladder

press r to roll the dicer

u got 5

new position is 39

press r to roll the dicer

u got 2

new position is 41

press r to roll the dicer

u got 3

new position is 44

press r to roll the dicer

u got 6

new position is 50

press r to roll the dicer

u got 5

new position is 55

press r to roll the dicer

u got 6

new position is 61

press r to roll the dicer

u got 2

new position is 63

press r to roll the dicer

u got 3

new position is 66

press r to roll the dicer

u got 1

new position is 67

press r to roll the dicer

u got 5

new position is 72

press r to roll the dicer

u got 5

new position is 77

press r to roll the dicer

u got 1

new position is 78

press r to roll the dicer

u got 1

new position is 79

press r to roll the dicer

u got 3

new position is 82

press r to roll the dicer

u got 6

new position is 88

press r to roll the dicer

u got 6

new position is 94

press r to roll the dicer

u got 6

new position is 100

yay!you won

PROGRAM 15

#using functions,rock papper scissor

import random

A={1:'r',2:'p',3:'s'}

while True:

yc=input("Your choice:r/p/s:")

cc=A[random.randint(1,3)]

print("Computer gave:",cc)

if

print("no one won")