light=input("light : ")

if(light== "red"):

print("stop")

elif(light== "yellow"):

print("look")

elif(light== "green"):

print("go")

else:

print("light is broken")

marks=input("marks : ")

if(marks >= "90"):

print("A")

elif(marks >= "80" and marks < "90"):

print("B")

elif(marks >= "70" and marks< "80"):

print("C")

else:

print("D")

a="5"&g="m"

a="2"&g="f"

a=int(input("a : "))

g=input("m/f : ")

if((a == "1" or a == "2") and g =="m"):

print("fee is 100")

elif(a == "3" or a=="4" or g=="m"):

print("fees is 200")

elif(a== "5" and g=="m"):

print("fees is 300")

else:

print("no fees")

food=input("food : ") output

eat = "yes"if food == "cake" else "no" food : cake

yes

food : orange

not sweet

print(eat)

food = input("food : ")

print("sweet") if food == "cake" or food == "jalebi" else print("not sweet")

age= int(input("age : "))

vote= ("yes","no") [age<18]

print(vote)

p=float(input("p : ")) p : 20

r=float(input("r : ")) r : 3

t=float(input("t : ")) t : 40

si = (p\*r\*t)/100 240.0

print(si)

name=input("enter your name : ") enter your name : preeti

age=int(input("enter your age : ")) enter your age : 18

marks=float(input("enter your marks :")) enter your marks :99.9

print("welcome", name) welcome preeti

print("your age is=", age) your age is= 18

print("marks =", marks) marks = 99.9

first=int(input("enter first : ")) enter first : 30

second=int(input("enter second : ")) enter second : 40

print("sum = ", first + second) 70

side=float(input("enter square side : ")) enter square side : 10

print("area : ", side\*side) area : 100.0

a=float(input("enter first : ")) enter first : 46

b=float(input("enter second : ")) enter second : 5

print("avg : ", (a+b)/2) avg : 25.5

str1=("my name is preeti.I am 18 years old")

print(str1)

my name is preeti.I am 18 years old

str1=("my name is preeti,n/ I am 18 years old")

print(str1)

my name is preeti,n/ I am 18 years old

str1=("my name is preeti.\n I am 18 years old")

print(str1)

my name is preeti.

I am 18 years old

str1=("my name is preeti.\t I am 18 years old")

print(str1)

my name is preeti. I am 18 years old

print(len(str1))

39

ch=str1(4)

str = "preeti singh"

ch = str[3]

print(ch)

e

print(str[4])

t

num\_string="12"

num\_integer=23

print(type(num\_string))

<class 'str'>

num\_string=int(num\_string)

print(type(num\_string))

<class 'int'>

num\_sum = num\_integer + num\_string

print("sum:",num\_sum)

sum: 35

integer\_number = 123

float\_number= 1.23

new\_number = integer\_number + float\_number

print("value : ", new\_number)

value : 124.23

print

<built-in function print>

print(type(new\_number))

<class 'float'>