Day 1:- date:-5/2/2025

Mutable:-LSD

-list

-dict

-set

Inheritance:- child class take property of parent class

-Single level

-multi level

-multiple

-hybrid

Abstraction:-

-hide unnecessary information form user.

Polymorphism:-

-Same function or method behave differently according to input given

Encapsulation:-

-Binding of data in single unit

Code:-

#a=10

#b=20

#c=a+b

#print(c)

a=5

b=2

c = a==b

print(c)

a=5

b=2

c=3

d=200

print(a>b and a>c)

print(a>b and a<c)

print(a<b and a>c)

print(a<b and a<c)

print(not(a<b))

print(not(a>b))

#assignment operator

a=10

b=20

m=15

y=a + b + m

print(y)

m+= 10

print(m)

m-= 10

print(m)

m\*= 10

print(m)

m/= 10

print(m)

#in operator

st1="welcome to grreyshows"

print("to" in st1)

print("subs" in st1)

#not operator

st1="welcome to grreyshows"

print("to" not in st1)

#is operator

a=10

b="10"

print(a is b)

#operator precedency

value = (1+1)\*2\*\*4//3+4-1

print(value)

#implicit conversion

j="hello" + " "

k="geeky shows "

p=j + k

print(p)

w='10'

e='10'

r=w + e

print(r)

#explicit conversion

q=10

u='10'

print(type(u))

r=q + int(u)

print(r)

#variable store output

date=[10,20,-30,21.3,"hello"]

print(date)

print("welcome", end=" ")

print("to", end=" ")

print("geekyshow")

#variable store input

name= input("enter your name: ")

print(name)

print(type(name))

num=int(input("enter your number:"))

print(num)

print(type(num))

nm=input("enter your name:")

print("your name is",nm)

#escape sequence

print("welcome to \"Hello world\"")

print("welcome to \'Hello world\'")