PRACTICAL – 1

PROGRAM -1

AIM- Create a Student object and call the Stud method to print the details {With Input from User}

CODE-

print("HARSH DEVRE")

class Student:

"""

This class represents a student with attributes Name, Roll\_Number, and Marks.

"""

def \_\_init\_\_(self):

"""

Initializes the student attributes by taking input from the user.

"""

self.Name = input("Enter your name:")

self.Roll\_Number = int(input("Enter your roll number:"))

self.Marks = int(input("Enter your marks:"))

def Stud(self):

"""

Prints the student details.

"""

print(self.Name)

print(self.Roll\_Number)

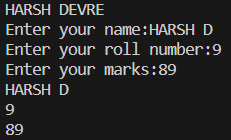
print(self.Marks)

# Create a Student object and call the Stud method to print the details

obj = Student()

obj.Stud()

OUTPUT-



PROGRAM -2

AIM -Using All 3 Methos In One Code [Static,Class,Instance Methods]

CODE-

class Maths:

"""

A class that contains methods for performing arithmetic operations.

"""

@staticmethod

def sum\_numbers(a, b):

"""

A static method to calculate the sum of two numbers and print the result.

"""

z= a + b

print(z)

@classmethod

def product\_numbers(cls, a, b):

"""

A class method to calculate the product of two numbers and print the result.

"""

z = a \* b

print(z)

def subtract\_numbers(self, a, b):

"""

An instance method to calculate the difference between two numbers and print the result.

"""

z = a - b

print(z)

# Calling the defined methods

Maths.sum\_numbers(2, 3) # This will print the sum of 2 and 3

Maths.product\_numbers(2, 3) # This will print the product of 2 and 3

Maths().subtract\_numbers(2, 3) # This will print the difference of 2 and 3

Output:-

