|  |  |  |  |
| --- | --- | --- | --- |
| Yeshwantrao Chavan College of Engineering | | | |
| Department of Artificial Intelligence & Data Science | | | |
| Semester 4 | Section: A | | Session: Odd 2022-23 |
| Course: Software Lab | | | |
|  | | | |
| Practical No: 01 | | | |
| Aim: Write a program using object oriented concepts (classes and object)  Problem Statement: Write a Program in python using class and object. Create a class named data having data members to store name of the student along with marks in three subjects/courses. Display the data for 3 student along with percentage of marks scored by individual student and average marks scored by all student in each individual courses. | | | |
| Code:  class MyClass:  def \_\_init\_\_(self,name,math,phy,chem):  self.name=name  self.math=math  self.phy=phy  self.chem=chem  self.perc=(math+phy+chem)\*(10/3)  s1=MyClass("Vinay",6,7,9)  print("Marks Scored by ",s1.name)  print("Math:",s1.math,"\nPhysics:",s1.phy,"\nChemistry:",s1.chem,"\nPercentage Scored:",s1.perc)  s2=MyClass("Vaishnav",10,8,9)  print("\nMarks Scored by ",s2.name)  print("Math:",s2.math,"\nPhysics:",s2.phy,"\nChemistry:",s2.chem,"\nPercentage Scored:",s2.perc)  s3=MyClass("Pranay",9,7,6)  print("\nMarks Scored by ",s3.name)  print("Math:",s3.math,"\nPhysics:",s3.phy,"\nChemistry:",s3.chem,"\nPercentage Scored:",s3.perc)  print("\nAverage Score in Math:",(s1.math+s2.math+s3.math)/3)  print("Average Score in Physics:",(s1.phy+s2.phy+s3.phy)/3)  print("Average Score in Chemistry:",(s1.chem+s2.chem+s3.chem)/3)  Output:    Conclusion: Successfully executed program to calculate marks using object oriented concepts in python. | | | |
|  | | | |
| Submitted by: | | | |
| Name: Shreyash Panage | | Roll No.: 58 | Reg. No.: 21070714 |