# 10. Area of different shapes using overloaded functions.

```
Code:
import java.util.Scanner;
class Area{
  float area(float radius){
     return (float)Math.PI*(radius*radius);
  float area(float base, float height){
     return (float)0.5*base*height;
  float area(float length, float breadth, float height){
     return length*breadth*height;
  }
}
class AreaFunctionOverload{
  public static void main(String[] args){
               System.out.println("Name: Sreyas Satheesh\nRoll.no: 53\nTitle:
Area of Shapes using Function Overloading\nDate: 13/02/2024\n");
     Scanner scanner = new Scanner(System.in);
     float radius, base, length, breadth, height;
     Area area = new Area();
     System.out.println("Enter the details of the circle");
     System.out.print("Radius : ");
     radius = scanner.nextFloat();
     float areaOfCircle = area.area(radius);
     System.out.println("Enter the details of the Triangle");
     System.out.print("Base : ");
     base = scanner.nextFloat();
     System.out.print("Height : ");
     height = scanner.nextFloat();
     float areaOfTriangle = area.area(base, height);
     System.out.println("Enter the details of the Box");
     System.out.print("Length : ");
    length = scanner.nextFloat();
     System.out.print("Breadth:");
     breadth = scanner.nextFloat();
     System.out.print("Height : ");
```

```
height = scanner.nextFloat();
float areaOfBox = area.area(length, breadth, height);

System.out.println("\nArea of Circle is " + areaOfCircle);
System.out.println("Area of Triangle is " + areaOfTriangle);
System.out.println("Area of Box is " + areaOfBox);

scanner.close();
}
```

```
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/O/cycle3 (master) [1]> javac Area.java
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/O/cycle3 (master)> java AreaFunctionOverload
Name : Sreyas Satheesh
Roll.no : 53
Title : Area of Shapes using Function Overloading
Date : 13/02/2024

Enter the details of the circle
Radius : 3
Enter the details of the Triangle
Base : 5
Height : 2
Enter the details of the Box
Length : 3
Breadth : 2
Height : 1

Area of Circle is 28.274334
Area of Triangle is 5.0
Area of Box is 6.0
```

11. Create a class 'Employee' with data members Empid, Name, Salary, Address and constructors to initialize the data members. Create another class 'Teacher' that inherit the properties of class employee and contain its own data members department, Subjects taught and constructors to initialize these data members and also include display function to display all the data members. Use array of objects to display details of N teachers.

```
import java.util.Scanner;
class Employee {
  public int Empid, Salary;
  public String Name, Address;
  public Employee(int Empid, String Name, int Salary, String Address) {
    this.Empid = Empid;
     this.Name = Name;
    this.Salary = Salary;
     this.Address = Address:
  }
class Teacher extends Employee {
  String Department, Subject;
  public Teacher(int Empid, String Name, int Salary, String Address, String
Department, String Subject) {
    super(Empid, Name, Salary, Address);
    this.Department = Department;
     this.Subject = Subject;
  }
  void Display(){
     System.out.println("\nEmpolyee id : " + super.Empid);
     System.out.println("Empolyee name : " + super.Name);
     System.out.println("Empolyee salary : " + super.Salary);
     System.out.println("Empolyee address: " + super.Address);
     System.out.println("Department : " + this.Department);
    System.out.println("Subject taught : " + this.Subject);
  }
}
class Main {
  public static void main(String args[]){
               System.out.println("Name : Sreyas Satheesh\nRoll.no : 53\nTitle :
Details of Employee.\nDate: 06/04/2024\n");
     Scanner scanner = new Scanner(System.in);
```

```
System.out.print("Enter the no.of Teachers : ");
     int n = scanner.nextInt();
     Teacher []arr = new Teacher[n];
     System.out.println("Enter the details ");
     for(int i=0; i < n; i++){
       System.out.println("Enter the details of Teacher " + i+1 + " : ");
       System.out.print("id : ");
       int id = scanner.nextInt();
       System.out.print("name : ");
       scanner.nextLine();
       String name = scanner.nextLine();
       System.out.print("salary : ");
       int salary = scanner.nextInt();
       System.out.print("Address : ");
       scanner.nextLine();
       String address = scanner.nextLine();
       System.out.print("Department : ");
       String department = scanner.nextLine();
       System.out.print("Subject : ");
       String subject = scanner.nextLine();
       arr[i] = new Teacher(id, name, salary, address, department, subject);
     }
     System.out.println("\nDetials\n");
     for(int i = 0; i < n; i++){
       arr[i].Display();
     }
     scanner.close();
}
```

```
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/O/cycle3 (master) [SIGINT] javac Employee.java sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/O/cycle3 (master)> java Hain
Name: Sreyas Satheesh
Roll.no: 53
Title: Details of Employee.
Date: 06/04/2024

Enter the no.of Teachers: 2
Enter the details
Enter the details
Enter the details of Teacher 1:
id: 101
name: Ajay
salary: 75000
Address: thayyil(h), Thrissur
Department: mca
Subject: 05
Enter the details of Teacher 2:
id: 102
name: sreyas
salary: 75000
Address: kanjirathinkal(h), Kattappana
Department: mca
Subject: Networking

Detials

Empolyee id: 101
Empolyee address: thayyil(h), Thrissur
Department: mca
Subject taught: 05

Empolyee address: thayyil(h), Thrissur
Department: mca
Subject taught: 05

Empolyee address: thayyil(h), Thrissur
Department: mca
Subject taught: 05

Empolyee address: kanjirathinkal(h), Kattappana
Department: mca
Subject salary: 75000
Empolyee address: kanjirathinkal(h), Kattappana
Department: mca
Subject taught: Networking
```

12. Create a class 'Person' with data members Name, Gender, Address, Age and a constructor to initialize the data members and another class 'Employee' that inherits the properties of class Person and also contains its own data members like Empid, Company\_name, Qualification, Salary and its own constructor. Create another class 'Teacher' that inherits the properties of class Employee and contains its own data members like Subject, Department, Teacherid and also contain constructors and methods to display the data members. Use array of objects to display details of N teachers.

```
import java.util.Scanner;
class Person {
  String name, gender, address;
  int age;
  public Person(String name, String gender, String address, int age){
     this.name = name;
     this.gender = gender;
    this.address = address;
     this.age = age;
  }
  void display(){
     System.out.println("Name: " + name + "\nGender: " + gender + "\nAddress: " +
address + "\nAge: " + age);
  }
}
class Employee extends Person {
  int empId, salary;
  String companyName, qualification;
  public Employee(int empId, String companyName, String qualification, int salary,
String name, String gender, String address, int age){
     super(name, gender, address, age);
     this.empId = empId;
     this.companyName = companyName;
    this.qualification = qualification;
    this.salary = salary;
  }
  void display(){
    System.out.println("Employee Id: " + empId + "\nCompany name: " +
companyName + "\nQualification : " + qualification + "\nSalary : " + salary);
    super.display();
```

```
}
}
class Teacher extends Employee {
  int teacherId;
  String subject, department;
  public Teacher (int teacherId, String subject, String department, int empId, String
companyName, String qualification, int salary, String name, String gender, String
address, int age){
     super(empId, companyName, qualification, salary, name, gender, address, age);
     this.teacherId = teacherId;
     this. subject = subject;
     this.department = department;
  }
  void display(){
    System.out.println("Teacher Id: " + teacherId + "\nDepartment: " + department
+ "\nSubject: " + subject);
    super.display();
  }
}
class PersonMain {
  public static void main(String[] arg){
               System.out.println("Name: Sreyas Satheesh\nRoll.no: 53\nTitle:
Details of Teachers.\nDate : 06/04/2024\n");
     Scanner scanner = new Scanner(System.in);
     System.out.print("Enter the no.of Teachers : ");
     int TeacherCount = scanner.nextInt();
     Teacher[] Teachers = new Teacher[TeacherCount];
     for (int i=0; i<TeacherCount; i++) {</pre>
       System.out.println("\nEnter the Teacher details");
       System.out.print("Enter the Teacher id : ");
       int id = scanner.nextInt();
       System.out.print("Enter the Subject : ");
       scanner.nextLine();
       String subject = scanner.nextLine();
       System.out.print("Enter the Department : ");
       String department = scanner.nextLine();
       System.out.print("Enter the Employee id : ");
       int empId = scanner.nextInt();
       System.out.print("Enter the Company name : ");
       scanner.nextLine();
```

```
String companyName = scanner.nextLine();
       System.out.print("Enter the Qualification : ");
       String qualification = scanner.nextLine();
       System.out.print("Enter the Salary : ");
       int salary = scanner.nextInt();
       System.out.print("Enter the Name : ");
       scanner.nextLine();
       String name = scanner.nextLine();
       System.out.print("Enter the Gender : ");
       String gender = scanner.nextLine();
       System.out.print("Enter the Address : ");
       String address = scanner.nextLine();
       System.out.print("Enter the Age : ");
       int age = scanner.nextInt();
       Teachers[i] = new Teacher(id, subject, department, empId, companyName,
qualification, salary, name, gender, address, age);
     for (int i=0; i<TeacherCount; i++){</pre>
       System.out.println("\nDetails of Teacher " + (i+1));
       Teachers[i].display();
     }
     scanner.close();
  }
}
```

```
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)> javac Person.java
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)> java PersonMain
Name : Sreyas Satheesh
Roll.no : 53
 Title : Details of Teachers.
 Date : 06/04/2024
 Enter the no.of Teachers : 2
 Enter the Teacher details
 Enter the Teacher id : 1001
Enter the Subject : Maths
Enter the Department : mca
Enter the Employee id : 101
Enter the Company name : tcs
Enter the Qualification : phd
Enter the Salary : 120000
Enter the Name : sreyas
Enter the Gender : male
Enter the Address : kanjirathinkal(H), kattappana
Enter the Age : 30
 Enter the Teacher details
Enter the Teacher id : 1002
Enter the Subject : Computer Science
Enter the Subject : Computer Science
Enter the Department : mca
Enter the Employee id : 890
Enter the Company name : infosys
Enter the Qualification : MCA
Enter the Salary : 80000
Enter the Name : Arun
Enter the Gender : male
Enter the Address : Malikakkal(H), Tvm
Enter the Age : 34
 Details of Teacher 1
 Teacher Id : 1001
Department : mca
 Subject : Maths
Employee Id : 101
Company name : tcs
Qualification : phd
 Salary : 120000
Name: sreyas
 Gender: male
 Address: kanjirathinkal(H), kattappana
 Age: 30
 Details of Teacher 2
 Teacher Id : 1002
 Department : mca
 Department . mca
Subject : Computer Science
Employee Id : 890
Company name : infosys
Qualification : MCA
 Salary : 80000
Name: Arun
 Gender: male
 Address: Malikakkal(H), Tvm
 Age: 34
```

13. Write a program has class Publisher, Book, Literature and Fiction. Read the information and print the details of books from either the category, using inheritance.

```
import java.util.Scanner;
class Publisher {
  String author, company, date;
  public Publisher(String author, String company, String date){
     this.author = author;
    this.company = company;
    this.date = date;
  }
}
class Book extends Publisher {
  String name, language;
  int price;
  public Book(String name, String language, int price, String author, String company,
String date){
    super(author, company, date);
    this.name = name;
    this.language = language;
     this.price = price;
  }
}
class Literature extends Book {
  String category = "literature";
  String title;
  public Literature(String name, String language, int price, String author, String
company, String date){
     super(name, language, price, author, company, date);
  void display(){
     System.out.println("\nName: " + name + "\nCategory: " + category +
"\nLanguage : " + language + "\nPrice : " + price + "\nAuthor : " + author +
"\nCompany : " + company + "\nDate : " + date);
  }
}
class Fiction extends Book {
```

```
String category = "fiction";
  String title;
  public Fiction(String name, String language, int price, String author, String
company, String date){
    super(name, language, price, author, company, date);
  }
  void display(){
     System.out.println("\nName : " + name + "\nCategory : " + category +
"\nLanguage : " + language + "\nPrice : " + price + "\nAuthor : " + author +
"\nCompany : " + company + "\nDate : " + date);
  }
}
class BookMain {
  public static void main(String[] arg) {
               System.out.println("Name : Sreyas Satheesh\nRoll.no : 53\nTitle :
Details of Book.\nDate : 06/04/2024\n");
     Scanner scanner = new Scanner(System.in);
     String name, language, author, company, date;
    int price;
     System.out.print("Enter the total number of books:");
    int MAX = scanner.nextInt();
    Literature arr1[] = new Literature[MAX];
    Fiction arr2[] = new Fiction[MAX];
    int i = 0, j = 0;
    boolean status = true;
    while(status && i+j < MAX){
       System.out.print("\nCATEGORY\n-----
\n1)Literature\n2)Fiction\n\nOPERATIONS\n-----
\n3)Display\n4)Exit\nChoose one : ");
       int choice = scanner.nextInt();
       switch(choice){
         case 1:
            System.out.println("\nEnter the Details of the book " + (i+j+1));
            System.out.print("Name : ");
            scanner.nextLine();
            name = scanner.nextLine();
            System.out.print("Language : ");
            language = scanner.nextLine();
            System.out.print("Price : ");
            price = scanner.nextInt();
            System.out.print("Author: ");
            scanner.nextLine();
            author = scanner.nextLine();
```

```
System.out.print("Publishing company : ");
       company = scanner.nextLine();
       System.out.print("Date : ");
       date = scanner.nextLine();
       arr1[i++] = new Literature(name, language, price, author, company, date);
       break;
     case 2:
       System.out.println("\nEnter the Details of the book " + (i+j+1));
       System.out.print("Name : ");
       scanner.nextLine();
       name = scanner.nextLine();
       System.out.print("Language : ");
       language = scanner.nextLine();
       System.out.print("Price : ");
       price = scanner.nextInt();
       System.out.print("Author:");
       scanner.nextLine();
       author = scanner.nextLine();
       System.out.print("Publishing company : ");
       company = scanner.nextLine();
       System.out.print("Date : ");
       date = scanner.nextLine();
       arr2[j++] = new Fiction(name, language, price, author, company, date);
       break;
     case 3:
       for(int k=0; k<i; k++){
          System.out.println("\nDetials of book " + (k+1));
          arr1[k].display();
       for(int k=0; k<j; k++){
          System.out.println("\nDetials of book " + (k+i+1));
          arr2[k].display();
       break;
     case 4:
       status = false:
       break;
     default : System.out.println("Invalid choise.");
  }
if((i+j) \ge MAX)
  for(int k=0; k<i; k++){
     System.out.println("\nDetials of book " + (k+1));
     arr1[k].display();
```

```
}
       for(int k=0; k<j; k++){
          System.out.println("\nDetials of book " + (k+i+1));
          arr2[k].display();
       }
     }
     scanner.close();
  }
}
```

```
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)> javac Book.java
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)> java BookMain
Name : Sreyas Satheesh
Roll.no : 53
Title : Details of Book.
Date : 06/04/2024
Enter the total number of books : 3
CATEGORY
1)Literature
2)Fiction
OPERATIONS
3)Display
4)Exit
Choose one : 1
Enter the Details of the book 1
Name : Making India Awesome
Language : English
Price : 1200
Author : Chetan Bhagat
Publishing company : Indian publ
Publishing company : Indian publications
Date : 20-03-2012
CATEGORY
1)Literature
2)Fiction
OPERATIONS
3)Display
4)Exit
Choose one : 2
Enter the Details of the book 2
Name : Avater, The last airbender
Language : English
Price : 4500
Author : Michael Dante DiMartino
Publishing company : USI
Date : 15-04-2010
CATEGORY
1)Literature
2)Fiction
OPERATIONS
3)Display
4)Exit
Choose one : 3
Detials of book 1
Name : Making India Awesome
Category : literature
Language : English
Price : 1200
Author : Chetan Bhagat
Company : Indian publications
Date : 20-03-2012
Detials of book 2
Name : Avater, The last airbender
Category : fiction
Language : English
Price : 4500
Author : Michael Dante DiMartino
Company : USI
Date : 15-04-2010
```

14. Create classes Student and Sports. Create another class Result inherited from Student and Sports. Display the academic and sports score of a student

```
import java.util.Scanner;
class Student {
  String name, academicScore;
  public Student(String name, String academicScore){
     this.name = name;
     this.academicScore = academicScore;
  }
  void display(){
     System.out.println("Student name: " + name + "\nAcademic Score: " +
academicScore);
  }
}
interface Sports {
  void displaySportsScore();
}
class Result extends Student implements Sports {
  String sportsName, sportsScore;
  public Result(String name, String academicScore, String sportsName, String
sportsScore){
    super(name, academicScore);
    this.sportsName = sportsName;
     this.sportsScore = sportsScore;
  public void displaySportsScore(){
     System.out.println("Sports name: " + sportsName + "\nSports Score: " +
sportsScore);
  void display(){
     System.out.println("\nStudent Details");
    super.display();
     displaySportsScore();
  }
}
class ResultDetails {
  public static void main(String [] args){
               System.out.println("Name : Sreyas Satheesh\nRoll.no : 53\nTitle :
Student academic & sports details.\nDate : 08/04/2024\n");
```

```
Scanner scanner = new Scanner(System.in);

System.out.println("Enter the Details of the student");
System.out.print("name : ");
String name = scanner.nextLine();
System.out.print("academic score : ");
String academicScore = scanner.nextLine();
System.out.print("sports name : ");
String sportsName = scanner.nextLine();
System.out.print("sports score : ");
String sportsScore = scanner.nextLine();
Result object = new Result(name, academicScore, sportsName, sportsScore);
object.display();
scanner.close();
}
```

```
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master) [1]> javac ResultDetails.java
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)> java ResultDetails
Name : Sreyas Satheesh
Roll.no : 53
Title : Student academic & sports details.
Date : 08/04/2024

Enter the Details of the student
name : sreyas
academic score : 90/100
sports name : Volleyball
sports score : 25-21

Student Details
Student name : sreyas
Academic Score : 90/100
Sports name : Volleyball
Sports Score : 25-21
```

15. Create an interface having prototypes of functions area() and perimeter(). Create two classes Circle and Rectangle which implements the above interface. Create a menu driven program to find area and perimeter of objects.

```
import java.util.Scanner;
interface MathUtils {
  void area();
  void perimeter();
class Circle implements MathUtils {
  double pi = 3.141;
  double radius;
  public Circle(double radius){
     this.radius = radius;
  public void area(){
     double area = pi * radius * radius;
     System.out.println("\narea of circle : " + area);
  }
  public void perimeter(){
     double perimeter = 2 * pi * radius;
     System.out.println("perimeter of circle : " + perimeter);
  }
}
class Rectangle implements MathUtils {
  double length;
  double width;
  public Rectangle(double length, double width){
     this.length = length;
     this.width = width;
  }
  public void area(){
     double area = length * width;
     System.out.println("\narea of rectangle : " + area);
  }
  public void perimeter(){
     double perimeter = 2 * (length + width);
     System.out.println("perimeter of rectangle : " + perimeter);
```

```
}
public class AreaAndPerimeter {
  public static void main(String [] arg){
               System.out.println("Name: Sreyas Satheesh\nRoll.no: 53\nTitle:
Area and Perimeter using Interface.\nDate: 08/04/2024\n");
     Scanner scanner = new Scanner(System.in);
     boolean status = true;
     while(status){
       System.out.print("\nSHAPES\n----\n1) Rectangle\n2) Circle\n3)
exit\nChoose one : ");
       int choice = scanner.nextInt();
       switch(choice){
          case 1:
            System.out.println("\nEnter the details of Rectangle.");
            System.out.print("length : ");
            double length = scanner.nextInt();
            System.out.print("width:");
            double width = scanner.nextInt();
            Rectangle rect = new Rectangle(length, width);
            rect.area();
            rect.perimeter();
            break;
          case 2:
            System.out.println("\nEnter the details of Circle.");
            System.out.print("radius : ");
            double radius = scanner.nextInt();
            Circle cir = new Circle(radius);
            cir.area();
            cir.perimeter();
            break;
          case 3:
            status = false;
            break;
       }
     scanner.close();
  }
}
```

# 16. Prepare bill with the given format using calculate method from interface.

Order No.

Data	
Date	٠

Product Id	Name	Quantity	unit price	Total
101 102	A B	2 1	25 100	50 100

Net. Amount 150

```
import java.util.Scanner;
interface Calculate {
  void calculate();
}
class Product {
  int id, quantity, unitPrice, total;
  String name;
  Product(int id, String name, int quantity, int unitPrice){
     this.id = id;
     this.name = name;
     this.quantity = quantity;
     this.unitPrice = unitPrice;
     this.total = quantity * unitPrice;
  }
}
class Order implements Calculate {
  int orderNo;
  String orderDate;
  int netAmt;
  int i = 0;
  Product [] list = new Product[20];
  Order(int orderNo, String orderDate){
     this.orderNo = orderNo;
     this.orderDate = orderDate;
  }
  void add(int id, String name, int quantity, int unitPrice){
     list[i++] = new Product(id, name, quantity, unitPrice);
  public void calculate(){
```

```
netAmt = 0;
    for(int k=0; k<i; k++){
      netAmt += list[k].total;
    this.display();
  }
  void display(){
    System.out.println("\nOrder no. : " + orderNo + "\nDate : " + orderDate);
    System.out.println("Product id Name Quantity Unit price Total\n-----
   -----");
    for(int k=0; k<i; k++){
      System.out.println(list[k].id + " + list[k].name + " + list[k].quantity] \\
        " + list[k].unitPrice + " " + list[k].total);
    if(i==0) System.out.println("No product added.");
    System.out.println("-----\n
Net.Amount " + netAmt);
  }
}
public class Bill {
  public static void main(String [] arg){
              System.out.println("Name: Sreyas Satheesh\nRoll.no: 53\nTitle:
Calculate bill.\nDate : 08/04/2024\n");
    Scanner scanner = new Scanner(System.in);
    System.out.print("Enter the order no : ");
    int orderNo = scanner.nextInt();
    System.out.print("Enter the order date : ");
    scanner.nextLine();
    String orderDate = scanner.nextLine();
    Order order = new Order(orderNo, orderDate);
    boolean status = true;
    while(status){
       System.out.print("\nOPERATIONS\n----\n1) Add product\n2)
Calculate total\n3) Exit\n----\nChoose one : ");
      int choice = scanner.nextInt();
      switch(choice){
         case 1:
           System.out.print("\nEnter the product id : ");
           int id = scanner.nextInt();
           System.out.print("Enter the product name : ");
           scanner.nextLine();
           String name = scanner.nextLine();
           System.out.print("Enter the product quantity:");
```

```
int quantity = scanner.nextInt();
             System.out.print("Enter the product unit price : ");
            int unitPrice = scanner.nextInt();
            order.add(id, name, quantity, unitPrice);
            break;
          case 2:
            order.calculate();
            break;
          case 3:
             status = false;
            break;
          default:
             System.out.println("\nInvalid choice.\n");
       }
     }
    scanner.close();
  }
}
```

```
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)> javac Bill.java
sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)> java Bill
Name : Sreyas Satheesh
Roll.no : 53
Title : Calculate bill.
Date : 08/04/2024
Enter the order no : 10256
Enter the order date : 10-04-2023
OPERATIONS

    Add product
    Calculate total
    Exit

Choose one : 1
Enter the product id : 101
Enter the product name : abc
Enter the product quantity : 12
Enter the product unit price : 120
OPERATIONS
1) Add product
2) Calculate total
3) Exit
Choose one : 1
Enter the product id : 102
Enter the product name : ghi
Enter the product quantity : 16
Enter the product unit price : 145
OPERATIONS

    Add product
    Calculate total
    Exit

Choose one : 2
Order no. : 10256
Date : 10-04-2023
Product id
                      Name
                                  Quantity
                                                     Unit price
                                                                           Total
101
                                                    120
                                                                            1440
102
                      ghi
                               16
                                                    145
                                                                            2320
                                                     Net.Amount
                                                                           3760
OPERATIONS
1) Add product
2) Calculate total
3) Exit
 sreyas@sreyas-hp-pavilion-gaming /m/c/c/L/s/0/cycle3 (master)>
```