package org.day2assignment;

import java.util.Scanner;

public class evenupton {

int n;

void input() {

Scanner sc = new Scanner(System.in);

System.out.println("enter a number:");

n = sc.nextInt();

}

void output() {

for (int i=1; i<=n;i++) {

if(i%2==0) {

System.out.println(i);

}

}

}

public static void main(String[] args) {

evenupton ob = new evenupton();

ob.input();

ob.output();

}

}

enter a number:

20

2

4

6

8

10

12

14

16

18

20

**package** org.day2assignment;

**public** **class** Rectangle {

**private** **double** Length;

**private** **double** Breadth;

**public** Rectangle() {

**this**.Length=0;

**this**.Breadth=0;

}

**public** Rectangle(**double** length, **double** breadth) {

**this**.Length = length;

**this**.Breadth = breadth;

}

**public** **double** getLength() {

**return** Length;

}

**public** **void** setLength(**double** length) {

**this**.Length = length;

}

**public** **double** getBreadth() {

**return** Breadth;

}

**public** **void** setBreadth(**double** breadth) {

**this**.Breadth = breadth;

}

**public** **double** caluculatearea() {

**return** Length\*Breadth;

}

**public** **void** display() {

System.***out***.println("the length of rectangle:"+Length);

System.***out***.println("the breadth of rectangle:"+Breadth);

System.***out***.println("the area of rectangle:"+caluculatearea());

}

}

**package org.day2assignment;**

**import java.util.Scanner;**

**public class Testrectangle {**

**public static void main(String[] args) {**

**Rectangle rect = new Rectangle();**

**rect.setLength(4);**

**rect.setBreadth(5);**

**System.*out*.println(rect.caluculatearea());**

**rect.display();**

**}**

**}**

20.0

the length of rectangle:4.0

the breadth of rectangle:5.0

the area of rectangle:20.0

public class Rectangle {

private double Length;

private double Breadth;

public Rectangle() {

this.Length=0;

this.Breadth=0;

}

public Rectangle(double length, double breadth) {

if((length >0.0 || length<20.0) && (Breadth >0.0 || breadth <20.0)){

this.Length = length;

this.Breadth = breadth;

}

}

public double getLength() {

return Length;

}

public void setLength(double length) {

this.Length = length;

}

public double getBreadth() {

return Breadth;

}

public void setBreadth(double breadth) {

this.Breadth = breadth;

}

public double caluculatearea() {

return Length\*Breadth;

}

public void display() {

System.out.println("the length of rectangle:"+Length);

System.out.println("the breadth of rectangle:"+Breadth);

System.out.println("the area of rectangle:"+caluculatearea());

}

}

import java.util.Scanner;

public class Testrectangle {

public static void main(String[] args) {

Rectangle rect = new Rectangle(1,19);

//rect.setLength();

//rect.setBreadth(5);

System.out.println(rect.caluculatearea());

rect.display();

}

}

**package** org.day2assignment;

**public** **class** Vehicle {

String manufacturer,model;

**int** year;

**public** String getManufacturer() {

**return** manufacturer;

}

**public** **void** setManufacturer(String manufacturer) {

**this**.manufacturer = manufacturer;

}

**public** String getModel() {

**return** model;

}

**public** **void** setModel(String model) {

**this**.model = model;

}

**public** **int** getYear() {

**return** year;

}

**public** **void** setYear(**int** year) {

**this**.year = year;

}

**public** **void** displayDetails() {

System.***out***.println("manufacturer:"+manufacturer);

System.***out***.println("model:"+model);

System.***out***.println("year:"+year);

}

}

**package** org.day2assignment;

**public** **class** Car **extends** Vehicle {

**public** **double** seatingcapacity;

**public** **double** getSeatingcapacity() {

**return** seatingcapacity;

}

**public** **void** setSeatingcapacity(**double** seatingcapacity) {

**this**.seatingcapacity = seatingcapacity;

}

**public** **void** displayDetails() {

System.***out***.println("the seating capacity:"+seatingcapacity);

}

**public** **void** accelerate() {

System.***out***.println("accelerante the vehicle");

}

**public** **void** Break()

{

System.***out***.println("break stops the vehicle");

}

}

**package** org.day2assignment;

**public** **class** Motorcycle **extends** Vehicle {

**public** **double** enginecapacity;

**public** **double** getEnginecapacity() {

**return** enginecapacity;

}

**public** **void** setEnginecapacity(**double** enginecapacity) {

**this**.enginecapacity = enginecapacity;

}

**public** **void** displayDetails() {

System.***out***.println("the engine capacity:"+enginecapacity);

}

**public** **void** startengine() {

System.***out***.println("vehicle started");

}

**public** **void** s()

{

System.***out***.println("vehicle stops");

}

}

**package** org.day2assignment;s

**public** **class** Truck **extends** Vehicle {

**public** **double** cargocapacity;

**public** **double** getCargocapacity() {

**return** cargocapacity;

}

**public** **void** setCargocapacity(**double** cargocapacity) {

**this**.cargocapacity = cargocapacity;

}

**public** **void** displayDetails() {

System.***out***.println("the cargo capacity:"+cargocapacity);

}

**public** **void** loadcargo()

{

System.***out***.println("cargo is loaded");

}

**public** **void** unloadcargo() {

System.***out***.println("cargo is unloaded");

}

}

**package** org.day2assignment;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

Car ob = **new** Car();

Motorcycle ob1 = **new** Motorcycle();

Truck ob2 = **new** Truck();

ob.setSeatingcapacity(4);

ob1.setEnginecapacity(5000);

ob2.setCargocapacity(200);

ob.displayDetails();

ob1.displayDetails();

ob2.displayDetails();

}

}

the seating capacity:4.0

the engine capacity:5000.0

the cargo capacity:200.0

public abstract class Shape{

public abstract void calculateArea();

}

class Circle extends Shape{

public double pi=3.14;

public double radius;

public Circle(double radius){

this.radius = radius;

}

public void calculateArea(){

System.out.println("the area of circle:"+(pi\*radius\*radius));

}

}

class Rectangle extends Shape{

public double Length;

public double Breadth;

public Rectangle(double length,double breadth){

this.Length = length;

this.Breadth = breadth;

}

public void calculateArea(){

System.out.println("the area of rectangle:"+(Length\*Breadth));

}

}

class Triangle extends Shape{

public double h=0.5;

public double Base;

public double Height;

public Triangle(double base,double height){

this.Base = base;

this.Height = height;

}

public void calculateArea(){

System.out.println("the area of triangle:"+(h\*Base\*Height));

}

}

import java.util.Scanner;

public class Testshape {

public static void main(String[] args) {

Circle ci = new Circle(5);

Rectangle rect = new Rectangle(1,19);

Triangle tri = new Triangle(5.4,7.8);

ci.calculateArea();

rect.calculateArea();

tri.calculateArea();

}

}

the area of circle:78.5

the area of rectangle:19.0

the area of triangle:21.060000000000002