```
/*
* Write a program using a function called area() to compute the area
of a:
i. Circle (pi*r*r)
 ii. Square (side * side)
iii. Rectangle (length * breadth)
 Display the menu to output the area as per the user's choice
*/
import java.util.*;
class Area {
 void area(double r) {
    double areaOfCircle = 3.14 * r * r;
    System.out.println("The area of the circle is " + areaOfCircle + "
sq cm");
 }
 void area(int s) {
   int areaOfSquare = s * s;
    System.out.print("The area of the square is " + areaOfSquare + "
sq cm");
```

```
}
void area(int l, int b) {
    int areaOfRectangle = l * b;
    System.out.print("The area of the rectangle is " +
areaOfRectangle + " sq cm");
 }
  public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    double radius;
    int side, length, breadth;
    char choice;
    Area obj = new Area();
    System.out.print("Enter the choice ('c' - circle, 's' - square, 'r' -
rectangle): ");
    choice = sc.next().toLowerCase().charAt(0);
    switch (choice) {
      case 'c': {
        System.out.print("Enter the radius: ");
```

```
radius = sc.nextDouble();
       obj.area(radius);
       break;
     }
case 's': {
       System.out.print("Enter the side: ");
       side = sc.nextInt();
       obj.area(side);
       break;
     }
     case 'r': {
       System.out.print("Enter the length: ");
       length = sc.nextInt();
       System.out.print("Enter the breadth: ");
       breadth = sc.nextInt();
       sc.close();
obj.area(length, breadth);
       break;
     }
```

Output:

Dearness allowance: 10000 rupees

House rent allowance: 6000 rupees

Provident fund: 3332 rupees

Net pay: 56000 rupees

Gross pay: 52668 rupees