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1. write Java code to calculate area of circle & area of square?
2. write Java code to calculate student report. Get input of name, register number, 5 subject marks and calculate total & average?
3. Sanjay want to buy a land with square feet of whose length 148 sq. feet, breadth is 326 sq. feet be would like to fencing for his land for sq. feet is 14/-. Find the total cost of fencing his land.

Answers.

1. pseudocode :-

1. start
2. Read input values of r, a
3. calculate $c = 3.14 * r * r$
4. calculate $s = a * a$
5. write c and s values
6. stop.

program :-

```java
import java.io.*;
import java.util.*;
class area
{
    public static void main(String args[])
    {
        int r, a;
        Scanner p = new Scanner(System.in);
        System.out.println("Enter radius:");
        r = p.nextInt();
```

```java
        double c = 3.14 * r * r;
        System.out.println("The area of circle is:" + c);
        System.out.println(" Enter side of square:");
        int a = p.nextInt();
        int s = a * a;
        System.out.println("The area of square is:" + s);
    }
}
```

2. **pseudocode:-**

1. start
2. Read input values of reg, name, S1, S2, S3, S4, S5.
3. calculate total = S1+ S2+ S3+ S4+ S5
4. calculate avg = total/5;
5. write values of total and avg.
6. stop.

Program:-

```java
import java.io.*;
import java.util.*;
class student
{
    public static void main (String args[])
    {
        int reg, S1, S2, S3, S4, S5;
        Scanner s = new Scanner (System.in);
        System.out.println("-Enter reg no:");
        reg = s.nextInt();
```

```
System.out.println ("Enter name ");
String name = s.nextLine();
System.out.println ("-Enter 5 subject marks");
    S1 = s.nextInt();
    S2 = s.nextInt();
    S3 = s.nextInt();
    S4 = s.nextInt();
    S5 = s.nextInt();
int total = S1+S2+S3+S4+S5;
float avg = total / 5;
System.out.println (" Total is:" +total);
System.out.println (" Average is:" +avg);
}
}
```

3. Pseudocode :-

1. start
2. read input values of $l = 148$, $b = 326$, $c = 14$
3. calculate parameter = $l * b$
4. calculate cost = parameter * 14.
5. write the values of parameter and cost
6. stop.

Program :-

```
import java.io.*;
import java.util.*;
class land
{
    public static void main( String args[ ])
```

```java
{
    int l = 148, b = 326, c = 14;
    System.out.println(
    int parameter = l * b;
    int cost = parameter * 14;
    System.out.println(" The total cost is: " + cost);
  }
}
```