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RS(SE)

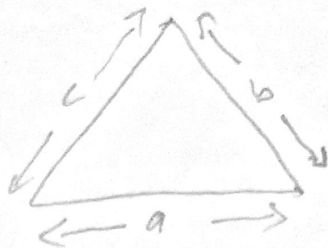
Subject : Object oriented programming

Instructor : Sir Ayub Khan.

01

Ans
3

Parameter of triangle.



where a, b, c are length of side of triangle
 Parameter of a triangle can simply be
 evaluated using following formula.

$$\text{Parameter} = (a + b + c)$$

Examples ; $a = 2.8, b = 3.0, c = 5.0$

output = 10.0

Input = $a = 5.0, b = 6.0, c = 7.0$

out out = 18.0

Java program to find parameter

```

class Test {
    static float Find parameter(float a, float b, float c)
    {
        // formula for parameter of triangle.
        return (a + b + c);
    }
    // driver method.
    public static void main (String[] args)
    {
        float a = 2.0, b = 3.0, c = 5.0;
    }
}
  
```

```

    System.out.println ("find parameter (a, b, c)");
  }
}

```

out put 10.0



Q2
Ans

```

import java.util.Scanner;
class AreaofCircle
{
public static void main (String [] args)
{
Scanner s = new Scanner (System.in);
System.out.println ("Enter the radius");
double r = s.next Double ();
double area = (22 * r * r) / 7;
System.out.println ("Area of Circle is ; " + area);
}
}

```

output Enter radius : 7) Area of Circle
13 154.0

(3)

Q23

Ans

Ans

```
public class leapyear {
public static void main (String [] args) {
```

```
int year = 1900;
```

```
boolean leap = false;
```

```
if (Year % 4 == 0)
```

```
{
```

```
if (Year % 100 == 0)
```

```
// Year is divisible by 400, hence the
```

```
Year is a leap year
```

```
if (Year % 400 == 0)
```

```
leap = true;
```

```
else
```

```
leap = false;
```

```
}
```

```
else
```

```
leap = true;
```

```
}
```

```
else leap = true;
```

```
if (leap)
```

```
System.out.println (Year + " is a leap year");
```

```
else
```

```
System.out.println (Year + " is not a leap year");
```

```
}
```

```
out put 1900 is not a leap year
```

(4)

Q4

Ans

/* Java program example - check for vowel */

```
import java.util.Scanner;
```

```
public class Java program
```

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

```
    {  
        char ch;
```

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

```
        System.out.print ("Enter an Alphabet : ");
```

```
        ch = scan.next ().charAt (0);
```

```
        if (ch == 'a' || ch == 'A' || ch == 'e' || ch == 'E' ||
```

```
            ch == 'i' || ch == 'I' || ch == 'o' || ch == 'O' ||
```

```
            ch == 'u' || ch == 'U')
```

```
        {  
            System.out.println ("This is a vowel");
```

```
        }  
        else
```

```
        {  
            System.out.print ("This is not a vowel");
```

```
        }  
    }  
}
```

Q 8

Q 8

Ans

```
import java.util.Scanner;
public class power of number {
public static void main (String args []) {
Scanner sc = new Scanner (System.in);
System.out.println ("Enter the base number ::");
int base = sc.nextInt ();
int temp = base;
System.out.println ("Enter the exponent number ::");
int exp = sc.nextInt ();
for (int i=1, i<exp; i++) {
temp = temp * temp;
}
System.out.println ("Enter Result of "+base+" power
"+exp+" is "+temp);
}
}
```

out put

Enter the base number ::
12
Enter the exponent number ::
2
result of 12 power 2 is 144.