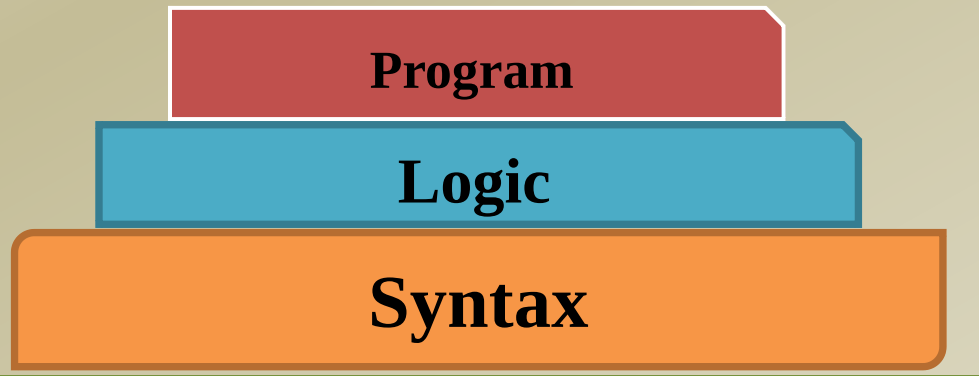
Code at Random (OPC) PVT. LTD.

Program to check whether a number is perfect or not.



What is a perfect number?

- A Perfect number is a positive integer that is equal to the sum of its proper divisors or factors.
- The smallest perfect number is 6, which is the sum of 1, 2, and 3.
- Other perfect numbers are 28, 496, and 8,128.

Program to check number is perfect or not

```
import java. util. *;
class perfect {
    public static void main(String[] Args)  {
     int i,n,s=0;
     Scanner sc = new Scanner(System.in);
     System.out.println("Enter a number");
     n=sc.nextInt();
     for(i=1;i<n;i++)  {
         if(n%i==0)
             s=s+i;
     }
     if(s==n)
        {
            System.out.println("Perfect Number");
        }
        else
        {
            System.out.println("Not a perfect number");
        }
       }
}
```

Happy Learning!!

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