

*Code*  *at* *Random*  
(OPC) PVT. LTD.

# Programming with Parameters - II



# Programming Using Parameters - II

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1. WAP to create a function void validdate(int d, int m, int y) to check whether the entered date is valid or not.
2. WAP to create a function boolean isprime(int n) and print the twin prime numbers from 1 to 100.

**Twin Prime Numbers**:- The prime numbers whose difference is 2.

**Examples**:- 3 and 5 ; 5 and 7 ; 11 and 13 ; 17 and 19

# void validddate (int d, int m, int y)

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```
import java.util.*;
class valid_date {
    void validddate(int d, int m, int y) {
        if((m==1||m==3||m==5||m==7||m==8||m==10||m==12)&&(d>=1&&d<=31))
            System.out.println("Valid date");
        else if((m==4||m==6||m==9||m==11)&&(d>=1&&d<=30))
            System.out.println("Valid date");
        else if((m==2 && y%4==0)&&(d>=1&&d<=29))
            System.out.println("Valid date");
        else if((m==2 && y%4!=0)&&(d>=1&&d<=28))
            System.out.println("Valid date");
        else
            System.out.println("Invalid date");
    }
    public static void main(String Args[]) {
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter date");
        int dd, mm, yyyy;
```

```
        dd= sc.nextInt();
        mm= sc.nextInt();
        yyyy= sc.nextInt();
        valid_date ob= new valid_date();
        ob.validddate(dd,mm,yyyy);
    }
}
```

# Boolean isprime(int n) – twin Prime

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```
class twin_prime {
    boolean isprime(int n) {
        int c=0,i;
        for(i=1; i<=n;i++) {
            if(n%i==0)
                c++;
        }
        if(c==2)
            return true;
        else
            return false;
    }
    public static void main(String Args[]) {
        boolean x,y;
        int i;
        twin_prime ob= new twin_prime();
        for(i=1;i<=98;i++) {
            x= ob.isprime(i);
            y= ob.isprime(i+2);
```

```
            if(x==true && y==true)
                System.out.println(i+ " " + (i+2));
            }
        }
    }
```