```java
//to find hamming number
import java.util.Scanner;
class
hamming_number
//class starts
   {
    //functions to check is a number is hamming or not
    public boolean isHammingNumber(int
num)                                        //data member to find its factors
    {
        if(num<=0)
        {
            System.out.println("Error:Negative number entered");
            return false;
        }
        while(num %
2==0)                                                    //check for factor
2
        {
            num/= 2;
        }
        while(num %
3==0)                                                    //check for factor
3
        {
            num/= 3;
        }
        while(num %
5==0)                                                    //check for factor
5
        {
            num/= 5;
        }
        return num==1;
    }

    public static void main
()                                                  //main starts
    {
       Scanner sc=new Scanner(System.in);
       hamming_number hammingNumberChecker=new hamming_number();
       System.out.println("Enter a positive integer");
       int n=sc.nextInt();
       if (hammingNumberChecker.isHammingNumber(n))
       {
           System.out.println(n+" is a Hamming number");
       }
       else
       {
           System.out.println(n+" is not a hamming number");
       }
```

```
43 }
   //class ends
```