```java
import java.util.Scanner;
import java.util.Arrays;
public class ak
{
 public static void main(String args[])
 {
 Scanner input=new Scanner(System.in);
 String name=input.nextLine();
 int len=name.length();
 char arr[]=new char[len];
 String Alpha;
 for(int i=0;i<len;i++)
 {
 arr[i]=name.charAt(i);
 }
 Arrays.sort(arr);
 for(int i=len-1;i>=0;i--)
 {
 System.out.print(arr[i]+" ");
 }
 }
}
```

Output

```
java -cp /tmp/6isLnLYL1r/ak
MOSQUE
U S Q O M E
=== Code Execution Successful ===
```

```java
Main.java

1  import java.util.Scanner;
2  public class ak{
3      public static void main(String[]args)
4  {
5  Scanner input=new Scanner(System.in);
6  int n=input.nextInt();
7  int arr[]=new int[100];
8  int j=1;
9  for(int i=1;i<100;i++)
10 {
11  if(i%2!=0) {
12  arr[j] = i;
13  j++;
14  }
15 }
16 System.out.print(arr[n*2]);
17 }
18 }
```

```java
import java.util.Scanner;
public class ak{
    public static void main(String[]args)
{
Scanner input=new Scanner(System.in);
int n=input.nextInt();
int factors=0;
for(int i=1;i<n;i++)
{
  if(n%i==0)
  factors=factors+i;
}
if(n==factors)
  System.out.print("It's a perfect number");
}
}
```

```java
import java.util.Scanner;
public class ak{
    public static void main(String[]args)
{
Scanner input=new Scanner(System.in);
int n=input.nextInt();
for(int i=1;i<=n;i++)
{
  for(int j=1;j<=i;j++)
  {
  System.out.print(i);
  }
  System.out.println();
}
}
}
```

Output

```
java -cp /tmp/08dqHcJW7E/ak
4
1
22
333
4444

=== Code Execution Successful ===
```

```java
import java.util.Scanner;
public class ak{
    public static void main(String[]args)
{
Scanner input = new Scanner(System.in);
int pri=input.nextInt();
int year=input.nextInt();
char age=input.next().charAt(0);
double interest=0.0;
if(age=='y')
{
  interest=(pri*year*0.12)/100;
  System.out.print(interest);
}
else
{
  interest=(pri*year*0.1)/100;
  System.out.print(interest);
}
}
}
```

Output

```
200000
3
n
600.0
=== Code Execution Successful ===
```

```java
 9  for(int i=0;i<n;i++)
10  {
11    System.out.print("Enter element: ");
12    a[i]=input.nextInt();
13  }
14  for(int i=0;i<n;i++)
15  {
16    for(int j=i+1;j<n;j++)
17    {
18    if(a[i]==a[j])
19    {
20    for(int k=j;k<n-1;k++)
21    {
22    a[k]=a[k+1];
23    }
24    j--;
25    n--;
26    }
27    }
28  }
29  for(int i=0;i<n;i++)
30  {
31    System.out.print(a[i]+" ");
32  }
33  }
34  }
```

Output

```
java -cp /tmp/p80FfuRsaF/ak
Enter the number of elements: 7
Enter element: 10
Enter element: 20
Enter element: 20
Enter element: 30
Enter element: 40
Enter element: 40
Enter element: 50
10 20 30 40 50
=== Code Execution Successful ===
```

Main.java

```java
import java.util.Scanner;
public class ak{
    public static void main(String[]args)
{
int M=4;
int N=5;
for(int i=1;i<=N;i++)
{
  System.out.println(i+"x"+M+"="+(i*M));
}
}
}
```

Output

```
java -cp /tmp/707D3Zv5tR/ak
1x4=4
2x4=8
3x4=12
4x4=16
5x4=20

=== Code Execution Successful ===
```