```
import java.util.*;
public class patternForAlphaNumeric {
   public static void main(String[] args) {
       Scanner sc=new Scanner(System.in);
/* *** *
            * * * * * * * * **** **** ****
**** **** **** * *
                                ***** **** *** **** **** * *
                                 * * *** **** * * * *
       //ASKING THE INPUT FROM USER "WHAT TO PRINT"
       System.out.println("ENTER ANY ALPHANUMERIC COMBINATION - - ");
       String num=sc.nextLine();
       System.out.println(num +" "+num.length());
      System.out.println();
      for(int i=1; i<=5; i++){</pre>
          for(int k=0; k<=num.length()-1; k++){</pre>
            String place=num.toUpperCase();
            char pos=place.charAt(k);
             switch(pos){
                 case '1':
                  for(int j=1; j<=5; j++){</pre>
                     if(i==1&&j==2||i==2&&j==1){
                        System.out.print("*");
                     }else{
                     if(j==3||i==5){
                         System.out.print("*");
                     else{
                         System.out.print(" ");
                 }System.out.print(" ");
                 break;
                 case '2':
                  for(int j=1; j<=5; j++) {</pre>
                     if(i==2&&j==5||i==4&&j==1){
                         System.out.print("*");
                     }else{
                     if(i==1||i==5||i==3){
                         System.out.print("*");
                     else{
                         System.out.print(" ");
                 System.out.print(" ");
                 break;
                 case '3':
                  for(int j=1; j<=5; j++){</pre>
                     if(i==1||i==5||i==3||j==5){
                         System.out.print("*");
```

```
System.out.print(" ");
System.out.print(" ");
break;
case '4':
for(int j=1; j<=5; j++) {</pre>
    if(i==1&&j==1||i==2&&j==1){
    System.out.print("*");
    }else{
    if(i==3||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
System.out.print(" ");
break;
case '5':
for(int j=1; j<=5; j++){</pre>
    if(i==2&&j==5||i==4&&j==1) {
        System.out.print(" ");
    }else{
    if (i==1||i==5||i==3||j==1||j==5) {
        System.out.print("*");
    else{
        System.out.print(" ");
System.out.print(" ");
break;
case '6':
for(int j=1; j<=5; j++){</pre>
    if(i==2&&j==5){
        System.out.print(" ");
}else{
    if(i==1||i==5||i==3||j==1||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
System.out.print(" ");
break;
case '7':
for(int j=1; j<=5; j++) {</pre>
    if(i==2&&j==5||i==3&&j==4||i==4&&j==3||i==5&&j==2){
        System.out.print("*");
    }else{
    if(i==1){
        System.out.print("*");
    else{
        System.out.print(" ");
    } }
```

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System.out.print(" ");
break;
case '8':
for(int j=1; j<=5; j++){</pre>
    if(i==1||i==5||i==3||j==1||j==5){
         System.out.print("*");
    else{
         System.out.print(" ");
System.out.print(" ");
break;
case '9':
for(int j=1; j<=5; j++){</pre>
    if(i==4&&j==1){
         System.out.print(" ");
    if (i==1||i==5||i==3||j==1||j==5) {
         System.out.print("*");
    else{
         System.out.print(" ");
    }}
System.out.print(" ");
break;
case '0':
for(int j=1; j<=5; j++) {
    if(i==1||i==5||j==1||j==5) {</pre>
         System.out.print("*");
    else{
         System.out.print(" ");
}System.out.print(" ");
break;
case ':':
for(int j=1; j<=4; j++){</pre>
    if(i==2&&j==2||i==4&&j==2){
         System.out.print("*");
    else{
         System.out.print(" ");
}System.out.print(" ");
break;
case ' ':
for(int j=1; j<=5; j++){</pre>
    if(i==1||i==5||j==1||j==5) {
         System.out.print(" ");
    else{
         System.out.print(" ");
}System.out.print(" ");
break;
case 'A':
```

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for(int j=1; j<=5; j++){</pre>
    if(i==1&&j==1||i==1&&j==5){
        System.out.print(" ");
    }else{
    if(i==1||i==3||j==1||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'B':
for(int j=1; j<=5; j++){</pre>
    if(i==1&&j==5||i==5&&j==5||i==3&&j==5){
        System.out.print(" ");
    }else{
    if (i==1||i==5||i==3||j==1||j==5) {
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'C':
for(int j=1; j<=5; j++){</pre>
    if(i==1&&j==1||i==5&&j==1){
        System.out.print(" ");
    if(i==1||i==5||j==1){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'D':
for(int j=1; j<=5; j++) {</pre>
    if(i==1&&j==5||i==5&&j==5){
        System.out.print(" ");
    }else{
    if(i==1||i==5||j==1||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'E':
for(int j=1; j<=5; j++) {</pre>
    if(i==1||i==5||i==3||j==1){
        System.out.print("*");
        System.out.print(" ");
```

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}System.out.print(" ");
break;
case 'F':
for(int j=1; j<=5; j++){</pre>
    if(i==1||i==3||j==1){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'G':
for(int j=1; j<=5; j++) {</pre>
    if(i==2&&j==5||i==3&&j==2){
        System.out.print(" ");
        if(i==1||i==5||i==3||j==1||j==5) {
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'H':
for(int j=1; j<=5; j++) {</pre>
    if(i==3||j==1||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'I':
for(int j=1; j<=5; j++){</pre>
    if(j==3||i==1||i==5){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'J':
for(int j=1; j<=5; j++) {</pre>
    if(i==1&&j==1||i==2&&j==1){
    System.out.print(" ");
    }else{
    if(i==5||j==5||j==1){
        System.out.print("*");
    else{
        System.out.print(" ");
```

```
}System.out.print(" ");
break;
case 'K':
for(int j=1; j<=5; j++){</pre>
    if(i==3&&j==2||i==2&&j==3||i==1&&j==4||i==4&&j==3||i==5&&j==4){
        System.out.print("*");
    if(j==1){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'L':
for(int j=1; j<=5; j++){</pre>
    if(i==5||j==1){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'M':
for(int j=1; j<=5; j++){</pre>
    if(i==2&&j==2||i==3&&j==3||i==2&&j==4){
        System.out.print("*");
    }else{
    if(j==1||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'N':
for(int j=1; j<=5; j++){</pre>
    if(i==2&&j==2||i==3&&j==3||i==4&&j==4){
        System.out.print("*");
    }else{
    if(j==1||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case '0':
for(int j=1; j<=5; j++) {</pre>
    if(i==1&&j==1||i==1&&j==5||i==5&&j==1||i==5&&j==5){
        System.out.print(" ");
    if(i==1||i==5||j==1||j==5) {
        System.out.print("*");
    else{
        System.out.print(" ");
    }}
```

```
}System.out.print(" ");
break;
case 'P':
for(int j=1; j<=5; j++){</pre>
    if(i==2&&j==5) {
        System.out.print("*");
    }else{
        if(i==1||i==3||j==1){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'Q':
for(int j=1; j<=5; j++){</pre>
    if (i==2&&j==2||i==3&&j==3||i==4&&j==4) {
        System.out.print("*");
    }else{
    if (i==1||i==5||j==1||j==5) {
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'R':
for(int j=1; j<=5; j++){</pre>
    if(i==2&&j==5||i==4&&j==3||i==5&&j==4){
        System.out.print("*");
    }else{
        if(i==1||i==3||j==1){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
case 'S':
for(int j=1; j<=5; j++){</pre>
    if(i==2&&j==5||i==4&&j==1){
        System.out.print(" ");
    }else{
    if(i==1||i==5||i==3||j==1||j==5){
        System.out.print("*");
    else{
        System.out.print(" ");
}System.out.print(" ");
break;
```

```
case 'T':
                      for(int j=1; j<=5; j++){</pre>
                          if(j==3||i==1){
                               System.out.print("*");
                          else{
                               System.out.print(" ");
                      }System.out.print(" ");
                     break;
                      case 'U':
                      for(int j=1; j<=5; j++) {
    if(i==5&&j==1||i==5&&j==5) {</pre>
                               System.out.print(" ");
                          if(i==5||j==1||j==5){
                               System.out.print("*");
                          else{
                               System.out.print(" ");
                      }System.out.print(" ");
                      break;
                      case 'V':
                      for(int j=1; j<=5; j++){</pre>
                          if(i==4 &&j==2 ||i==5 &&j==3||i==4&&j==4){
                              System.out.print("*");
                          }else{
                          if(j==1||j==5){
                               if(i<=3){</pre>
                               System.out.print("*");
                               }else{
                               System.out.print(" ");
                               System.out.print(" ");
                      }System.out.print(" ");
                     break;
//PRINT W
                      case 'W':
                      for(int j=1; j<=5; j++) {</pre>
                          if(i==4&&j==2||i==3&&j==3||i==4&&j==4){
                               System.out.print("*");
                          }else{
                          if(j==1||j==5){
                               System.out.print("*");
                               System.out.print(" ");
                      }System.out.print(" ");
                      break;
                      case 'X':
                      for(int j=1; j<=5; j++) {</pre>
                          if(i==1&&j==1||i==2&&j==2||i==3&&j==3||i==1&&j==5||i==2&&j==4||i==4&&j==2||i
                          ==5&&j==1||i==4&&j==4||i==5&&j==5){
                               System.out.print("*");
                          else{
```

```
System.out.print(" ");
            }System.out.print(" ");
            break;
            case 'Y':
            for(int j=1; j<=5; j++) {</pre>
                if(i==1&&j==1||i==2&&j==2||i==3&&j==3||i==1&&j==5||i==2&&j==4||i==4&&j==2||i
                ==5&&j==1) {
                     System.out.print("*");
                else{
                     System.out.print(" ");
            }System.out.print(" ");
            break;
            case 'Z':
            for(int j=1; j<=5; j++){</pre>
                if(i==1&&j==5||i==2&&j==4||i==4&&j==2||i==5&&j==1||i==3&&j==3){
                    System.out.print("*");
                }else{
                     if(i==1||i==5){
                         System.out.print("*");
                     }else{
                     System.out.print(" ");
            }System.out.print(" ");
            break;
    System.out.println();
}
```