Program 1:

```
Jat Task5/src/Javaprogram/Palindrome.java - Eclipse IDE
ctor Navigate Search Project Run Window Help
Q B 8
                                                                                         🖺 🗈 package-info.java 🔑 Palindrome.java ×
■ % 8
        1 package Javaprogram;
        3 import java.util.Scanner;
4 public class Palindrome{
                                                                                              Enter the String:
                                                                                                                                                     # Javaprogram
                                                                                                                                                  ∨ 9. Palindrome
                                                                                              madam
The given string is a palindrome String
                                                                                                                                                      * main(Stri
              public static void main(String[] args) {
                  Scanner sc=new Scanner(System.in);
System.out.println("Enter the String:");
                  String str=sc.next();
String ostr=str;
String rev="";
                  int len=str.length();
                   for (int i=len-1; i>=0;i--)
                      rev=rev+str.charAt(i);
                   System.out.println(rev);
                       if(ostr.equals(rev)) {
    System.out.println("The given string is a palindrome String"
                        felse
    System.out.println("The string is not a plaindrome string");
              }
# A 8
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                                                             Writable
                                                                                Smart Insert
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Program 2:

```
- Jat Task5/src/Javaprogram/StringReverse.java - Eclipse IDE
                                                                                                                                    o
Q 18 8
                                                                               1 package Javaprogram;
         3 import java.util.Scanner;
                                                                                   Enter the String :
                                                                                                                                   # Javaprogram
                                                                                                                                 ✓ 🔑 StringRever
        5 public class StringReverse {
                                                                                   The Reverse of the string is : ivuG
                                                                                                                                     a main(Stri
              public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter the String : ");
                 String str=sc.next();
String ostr=str;
String rev="";
e-info.java 13
ome.java
                 int len=str.length();
                  for (int i=len-1; i>=0;i--)
                    rev=rev+str.charAt(i);
                 System.out.println("The Reverse of the string is : " +rev);
       26
27 }
28
 tr A 8
  >
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Program 3:

```
ace - Jat Task5/src/Javaprogram/Pattern.java - Eclipse IDE
Refactor Navigate Search Project Bun Window Help
 □ ■P eJ BD □C × ▲G □□
                                                                                                                       tion
     3 import java.util.Scanner;
                                                                                                                                                      ⊕ Jav
     5 public class Pattern {
4-1/
            public static void printPattern(int n)
                                                                                                                        2 3
4 5 6
7 8 9 10
                                                                                                                                                        9:1
n Lib
                   int num = 1;
                   for (int i=1; i <=n; i++)
kage-
                       for (int j=1; j<=i; j++)
ern.ja
                          System.out.print(num + " ");
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igRe\
ttern.
                      System.out.println();
              }
             public static void main(String args[])
                   Scanner sc=new Scanner(System.in);
System.out.println("Enter the value of n : ");
int n = sc.nextInt();
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27
                  printPattern(n);
           }
                                                                                                                                                    < >
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pe here to search
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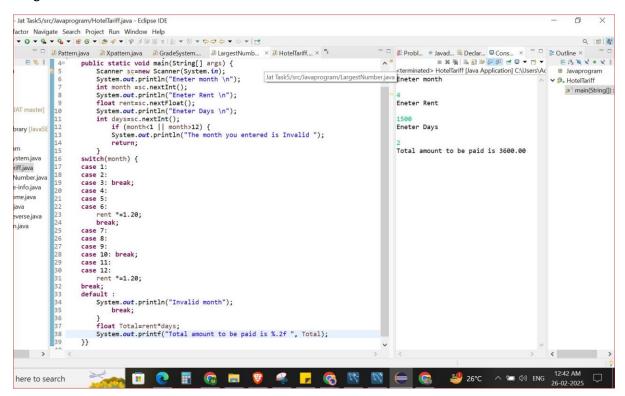
Program 4:

```
e - Jat Task5/src/Javaprogram/Xpattern.java - Eclipse IDE
Q B 8
                                                                                                                        🗖 🛭 package-info.java 🛂 Palindrome.java 🔑 StringReverse.java 🚇 Pattern.java 🚇 Xpattern.java ×
  1 package Javaprogram;
2
3 import java.util.Scanner;
                                                                                                                            <terminated > Xpattern [Java Applicatio
Enter a number :
    5 public class Xpattern {
                                                                                                                                                       ^ y 9₅ Xpa
         public static void main(String[] args) {
    Scanner scenew Scanner(System.in);
    System.out.println("Enter a number : ");
    int n=sc.nextInt();
Libi 9
               for(int i=1;i<=n;i++)</pre>
                   for(int j=1;j<=n;j++)</pre>
ror
n.ja
Rev
ern.
                      if(i==j||i+j==(n+1))
    System.out.print("* "[];
                      else
System.out.print(" ");
                  System.out.println();
          }
  25
26 }
27
                                                                                                                                                 > ( >
                                     e here to search
```

Program 5:

```
ce - Jat Task5/src/Javaprogram/GradeSystem.java - Eclipse IDE
        Refactor Navigate Search Project Run Window Help
       Palindromejava ② StringRevers... ② Patternjava ② Xpatternjava ② GradeSystem.... × **
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q # 3
                                                                                                                                                                                                                                                                                                                                      # Problems ** Javadoc ** Declaration ** Declarati
                        1 package Javaprogram;
2 import java.util.Scanner;
                                                                                                                                                                                                                                                                                                                                                             Enter your score
                           4 public class GradeSystem {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a main(String
                                                                                                                                                                                                                                                                                                                                                            Grade is : C
                                                 public static void main(String[] args) {
   System.out.println("Enter your score");
   Scanner sc=new Scanner(System.in);
   int n=sc.nextInt();
       -4-J/ 7
      Libi 9
                                                                if (n == 100) {
    System.out.println("Grade is : S");
      eSys
age-
dror
                                                                } else if (n>90 && n<=99) {
    System.out.println("Grade is : A");
                                                                  }
else if (n>80 && n<=89) {
   System.out.println("Grade is : B");</pre>
        rn.ja
      gRev
tern.
                                                                 }
else if (n>=70 && n<=79) {
    System.out.println("Grade is : C");</pre>
                                                                 }
else if (n>=60 && n<=69) {
    System.out.println("Grade is : D");</pre>
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                                                                  else if (n>=50 && n<=59) {
    System.out.println("Grade is : E");</pre>
                                                                 }
else if (n<50) {
    System.out.println("Grade is : F");</pre>
                                                                  else {
                                                                                      System.out.println("Invalid Value");
                                                                                                                                                                                      🎒 25℃ ^ 🚾 🐠 ENG
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```

Program 6:



Program 7:

```
ace - Jat Task5/src/Javaprogram/LargestNumber.java - Eclipse IDE
 • main(String
        5 public class LargestNumber {
                                                                                                  Enter B
n Libi 9 10 11 12 deSys 13 14 15
             public static void main(String[] args) {
   int a,b,c;
   Scanner sc=new Scanner(System.in);
                                                                                                  Enter C
                                                                                                  Largest number is:8
                 System.out.println("Enter A ");
a=sc.nextInt();
                 System.out.println("Enter B ");
b=sc.nextInt();
 kage-
ndror
                  System.out.println("Enter C ");
c=sc.nextInt();
  gRev 19
gRev 21
22
ttern 21
22
24
25
26
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  ern.ja
ngRev
                   if(a > b && a > c)
                       {
    System.out.println("Largest number is:"+a);
                       }
else if(b > c)
{
    System.out.println("Largest number is:"+b);
                      }
else
{
System.out.println(("Largest number is:"+c);
              }
                                                                                                                                                              < >
                                                                                                               30:59:656
                                                                                                                                25°C ^ □ ♠) ENG 12:37 AM 25-02-2025
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```