Assignment

1. Write a program to find the highest among the given 3 numbers.

Program Code:

```java
import java.util.Scanner;
class Largest
{
public static void main(String[] args)
{
int a,b,c;
Scanner Sc = new Scanner(System.in);
System.out.println("Enter the value for a:");
a = Sc.nextInt();
System.out.println("Enter the value for b:");
b = Sc.nextInt();
System.out.println("Enter the value for c:");
c = Sc.nextInt();
if (a > b && a > c)
{
System.out.println(" a is largest number");
}
else if (b > a && b > c)
{
System.out.println("b is the largest number");
}
else
{
System.out.println("c is the largest number");
}
System.out.println("End of the program");
}}
```

Program Flow:

1.To find the biggest of three numbers 'a,b,c' are taken as integers. Scammer statement is used to get the input from the user.

2.'If…else' statement is used to find the largest of three numbers where condition 'if(a >b && a>c)' used to check whether 'a' is greater than 'b' and 'c' then display 'a' is biggest. The condition 'id(b>a && b>c)' check whether 'b' is greater than 'a' and 'c' then display 'b' is biggest. If not it displays 'c' is the biggest.

Java and Class File:

Largest.java   Largest.class

Program Output:

2. Write a program to print the following pattern:

```
*    *

  * *

   *

  * *

*    *
```

Program Code:

```java
import java.util.Scanner;
class Pattern
{
public static void  main(String a[])
{
System.out.println("Enter a number to print the line ");
Scanner sc=new Scanner(System.in);
int n= sc.nextInt();
for (int i=1; i<=n; i++)
```

```
{
for( int j=1;j<=n;j++)
{
if(i ==j || i == (n-j+1))
{System.out.print("*");}
else
{
System.out.print(" ");
}
}
System.out.println("");
}
}
}
```

Java and Class File:

Pattern.java

Pattern.class

Program Output:

Command Prompt

```
Microsoft Windows [Version 10.0.17134.407]
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C:\Users\SAmutha>cd\

C:\>cd c:\JPrgm

c:\JPrgm>javac Pattern.java

c:\JPrgm>java Pattern
Enter a number to print the line
5
*     *
 * *
  *
 * *
*     *

c:\JPrgm>
```