Name- Nitesh Diwri Roll No - 2001097 St. id - 20711002
Sec - A

Q2. 1) -

```
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
class GfG {
  public static void main(String[] args)
  try {
  FileReader fr = new FileReader("gfgInput.txt");
  FileWriter fw = new FileWriter("gfgOutput.txt");
  String str = "";
  int i;
  while ((i = fr.read()) != -1) {
    str += (char) i;
  }
  System.out.println(str);
  fw.write(str);
  fr.close();
  fw.close();
System.out.println(
  "File reading and writing");
}
```

```
catch (IOException e) {
    System.out.println(
"There are some IOException");
}
```

Ans1) - Name - Nilesh Diwan Roll No - 2001097
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```
Package
level
import java.util.*;
Public class pin {
Public static boolean checkValid(int
num) { boolean flag = true;
if (num<100||num>999) {
System.out.println("invalid number; (must get gener
-ate digit number");
flag = false;
}
if (flag == true)
return true;
else
return false;
}
public static int numberPos(int arr[], int num, int lo
{ int len = arr.length;
int
i=0, c=0, k=0;
int
n= arr[num];
int pos[] = new
int[3]; boolea.
```

```
return max;
}
public static int maxArr(int
num) {int d, k=0;
int arr[] = new
int[3];
while(num>0){
d = num%10
0;
arr[k]=d;
k++;
num = num/10;
}
int max=maximum(arr);
return max;
}
public static int hundred(int
arr(), int n) {int
a=numberPos(arr,0,2);
int
b=numberPos(arr,1,2);
int
c=number minimum(a,b,c);
return main;
}
```

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```
u
 flag = true;
while(n>0){
 d = n%10;
 pos[k] = d;
k++;
n = n/10;
}
 int
 val = pos[loc];
 return val;
}
 int
 Valbic static int minimum(int a, int
b, int c){ int k = (a<b)? a:b;
 int
 win = ((c<k)? c:k;
 return win;
}
public static int maximum(int
arr[]){ int i, max = 0;
or(i=0; i<2; i++){
if(arr[i+1]>arr[i]){
max = arr[i+1];
```

```
public static void myPin(int
 arr[], int n ) { int
 one = numberPos(arr, 0, 1);
 ten = ten(arr, n);
 int
 hund = hundred(arr, n);
 int
th = thousands(arr, n);
}
public static void main(String[] args){
  Scanner sc = new
 Scanner(System.in); int n=3;
System.out.println("enter four number to generate pin");
 int arr[]= new int[3];
 int i;
 for(i=0; i<n; i++){
arr[i]=sc.nextInt();
 if(!checkValid(arr[i]))
 {
myPin(arr, n);

}
}
```

Nitesh