1) Write a Java program to print Hello World.

```
class HelloWorld {
public static void main (String args[]) {
 System.out.println ("Hello, World");
}
}
```

2) Write a Java program to find the largest of three numbers using if construct.

```
class LargestOfThreeNo {
public static void main(String args[]){
 int a=10, b=12, c=8;
 if (a>b && a>c) {
 System.out.println ("Largest is"+a);
 }
 else if (b>a && b>c) {
 System.out.println ("Largest is"+b);
 }
 else {
  System.out.println ("Largest is "+c);
 }
 }
 }
```

3) Write a Java program to print the values from 1 to n by taking input from the user

```
import java.util.Scanner;
class PrintingValues{
public static void main(String args[]){
  int n;
Scanner in= new Scanner(System.in);
System.out.println("Enter the value of n");
    n = in.nextInt();
for(int i=1; i<=n; i++){
  System.out.println(i);
}
}
}
```

4) Write a Java program to print the given pattern

```
import java.util.Scanner;
class PrintingPattern{
public static void main(String args[]){
int n, a=1;
Scanner in = new Scanner(System.in);
System.out.println("Enter the value of n");
  n= in.nextInt();
for(int i=1; i<=n; i++){
 for(int j=1; j<=i; j++){
  System.out.print(a+" ");
     a++;
  }
 System.out.println("");
}
}
}
```

3) Write a Java program to calculate grade

```
import java.util.*;
class Grade {
public static void main(String args[]){
float cie, see, marks;
Scanner in = new Scanner(System.in);
System.out.println("Enter the cie marks out of 50");
    cie = in.nextFloat();
System.out.println("Enter the SEE marks out of 100");
see = in.nextFloat();
marks = cie+see/2;
if(marks<=100 && marks>=90){
System.out.println("Grade = S and marks = "+marks);
}
else if(marks<=89 && marks>=80){
  System.out.println("Grade = A and marks = "+marks);}
else if(marks<=79 && marks>=70){
  System.out.println("Grade = B and marks = "+marks);}
else if(marks<=69 && marks>=60){
  System.out.println("Grade = C and marks = "+marks);}
else if(marks<=59 && marks>=50){
System.out.println("marks = "+marks+"Grade= D");}
else if(marks<=49 && marks>=40){
System.out.println("Grade = E and marks = "+marks);}
else{
  System.out.println("Grade = F and marks = "+marks);}
}
}
```

6) Write Java program to print prime numbers between given two numbers.

```
import java.util.*;
class PrimeNumbers{
public static void main(String args[]){
 int n,m;
Scanner in = new Scanner(System.in);
System.out.println("Enter the values of m & n");
 m=in.nextInt();
 n=in.nextInt();
for(int i=m; i<=n; i++){
        int c=0;
for(int j=1; j<=i; j++){
if(i%j==0){
   c++;}
} if(c==2)
 {
   System.out.println(i);
 }
}
}
}
```

1) Write a C program to count the no. of students for three elective courses

```
#include<stdio.h>
#include<conio.h>
#include<process.h>
  struct std{
   char name[20];
    int elec; };
   int main() {
 int n, c1, c2, c3;
 printf("Enter no. of students\n");
 scanf("%d", &n);
  st s[n];
printf("ELECTIVE LIST");
printf("\n 1. IoT");
printf("\n2. Advanced Java and J2EE");
printf("\n3. Advanced Data structures");
for(int i=0; i<n; i++) {
 printf("\Enter name:");
 scanf("%s", &s[i].name);
 printf("\nEnter elective choice");
 scanf("%d", &s[i].elec);
 if (s[i].elec==1)
      c1++;
 else if (s[i]==2)
      c2++;
 else if(s[i]==3)
      c3++;
}
 Printf("Operation\n");
printf("which elective student list is needed?\n");
  int x;
 scanf("%d", &x);
```

```
int p;
printf("Student List:\n");
for(int i=0; i<n; i++){
 if(S[i].elec == x){
      p++;
    printf(" %s\n", S[i].name);
 }
}
printf("Operation 2\n");
printf("%d students chose elective 1\n", c1);
 printf("%d students chose elective 2\n", c2);
 printf("%d students chose elective 3\n", c3);
printf("Operation 3\n");
if(c1 <3){
  printf("Elective 1 is floated, students who have chosen
  he must reselect their electives\n");
   for(i=0; i<n; i++){
    if(S[i].elec == 1){
  printf("%s, please enter new elective choice\n", S[i].name);
        int nc;
       scanf("%d",&nc);
       S[i].elec =nc;
   }
 }
}
  else{}
if(c2<3){
   printf("Elective 2 is floated, students who have chosen
 it must reselect their electives\n");
    for(int i=0; i<n; i++){
    if(S[i].elec==2){
    printf("%s, please enter new elective choice\n"S[i].name);
      int nc;
     scanf("%d ", &nc);
     S[i].elec = nc; } } }
```

```
if (c3 < 3){
printf("Elective 3 is floaded, etudente who have choee
it muet reeelect their electivee \n");
for (int i=0; i<n; i++) {
if(S[i].elec == 3) {
printf("%.s, pleaee enter new elective choice\n", S[i].name);
    int nc;
  econf("%d", fnc);
    S[i].elec = nc;
}
}

printf("Number of etudente in Elective 1: %d \n", c1);
printf("Number of etudente in elective 2: %d \n", c2);
printf("Number of etudente in Elective 3: %d \n", c3);
        return 0;
}
```