**1. Write a program to print a pattern like right angle triangle with numbers which will repeat a**

**number in a row.**

**The pattern is as follows :**

**1**

**22**

**333**

**4444**

**package** LabExamCOP.main;

**import** java.util.Scanner;

**public** **class** Pattern

{

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** i,j,n;

System.***out***.print("Input number of n : ");

Scanner in = **new** Scanner(System.***in***);

n = in.nextInt();

**for**(i=1;i<=n;i++)

{

**for**(j=1;j<=i;j++)

System.***out***.print(i);

System.***out***.println("");

}

}

}

**OUTPUT:**

Input number of n : 4

1

22

333

4444

**2. Write a C Program to create two processes where child process sends message to parent.**

**Implement it using pipe system call. pipe ().**

#include<unistd.h>

#include<stdio.h>

#include<sys/types.h>

#include<sys/wait.h>

int main()

{

int fd[2], n;

char buffer[100];

pid\_t p;

pipe(fd);

p=fork();

if(p>0)

{

printf("Passing value to child\n");

write(fd[1], "JAI MAHARASHTRA\n",6);

}

else

{

printf("Child received data\n");

n=read(fd[0], buffer, 100);

write(1,buffer,n);

}

}

OUTPUT:

