

```
import java.util.*;
public class distance
{
    public static void main(String[]
args)
    {
        Scanner sc=new
Scanner(System.in);
        int n,i,x=0,y=0;
        System.out.println("enter the
input");
        n=sc.nextInt();
        for(i=0;i<n;i++)
        {
            switch(i)
            {
                case 0:x=x+(i+1)*10;

                    break;
                case 1:y=y+(i+1)*10;
                    break;
                case 2:x=x-(i+1)*10;

                    break;
                case 3:y=y-(i+1)*10;

                    break;
                case 4:x=x+(i+1)*10;

                    break;
                case 5:x=x+(i+1)*10;
                    break;

            }

        }
        System.out.println(x+", "+y);
    }
}
```