```java
import java.util.Scanner;
public class MyClass {
public static void main (String args []) {
Scanner rn=new Scanner(System.in);
int n=rn.nextInt();
int S1=0,P1=1;
for(int i=1;i<=n; i++) {
S1=S1+(2*i-1);
P1=P1*(2*i-1);
}
System.out.println(S1);
System.out.println(P1);
int i=1;S1=0;P1=1;
while(i<=n) {
S1=S1+(2*i-1);
P1=P1*(2*i-1);
i++;
}
System.out.println(S1);
System.out.println(P1);
int S2=0, P2=1;
for( int x=1;x<=n; x++) {
S2=S2+( 2*x);
P2=P2*(2*x);
}
System.out.println(S2);
System.out.println(P2);
```

```java
int x=1;S2=0; P2=1;
while(x<=n) {
S2=S2+(2*x);
P2=P2*(2*x);
x++;
}
System.out.println(S2);
System.out.println(P2);

int S3=0, P3=1;
for(int y=1;y<=n; y++) {
S3=S3+(3*y);
P3=P3*(3*y);
}
System.out.println(S3);
System.out.println(P3);
int y=1;S3=0;P3=1;
while(y<=n) {
S3=S3+(3*y);
P3=P3*(3*y);
y++;
}
System.out.println(S3);
System.out.println(P3);

int S4=0, P4=1;
for( int z=1;z<=n; z++) {
```

```java
S4=S4+(4*z);
P4=P4*(4*z);
}
System.out.println(S4);
System.out.println(P4);
int z=1;S4=0;P4=1;
while(z<=n) {
S4=S4+(4*z);
P4=P4*(4*z);
z++;
}
System.out.println(S4);
System.out.println(P4);
double SUM=0;
for(int b=1;b<=n;b++) {
if (b%2==0) {
SUM=SUM-1d/b;
}else {
SUM=SUM+1d/b;
}
}
System.out.println(SUM);
double SUM1=0,b=1;
while (b<=n) {
if (b%2==0) {
    SUM1=SUM1-1d/b;
    b++;
```

```java
    }else {
        SUM1=SUM1+1d/b;
        b++;
    }


    }
    System.out.println(SUM1);
    double S=0;
    double k=1; double P=1;
    while (k<=n) {
        S=S+(k/(k+1));
        P=P*(k/(k+1));
        k++;
    }
    System.out.println(S);
    System.out.println(P);
    rn.close();
        }
    }
```