food hot System > forline, condition, upgredel for ("ut = 0; 1510; ttt) Syso (i) int i=0 While while (condition)? loop Synland 1 495 Jupprede

Printing 5 to N(While Loop)

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

int i = 5;
while(i <= n){
    System.out.println(i);
    i++;
}</pre>
```

HW_Print till n for this Series 5,11,17,23,29..

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

int i = 5;
while(i <= n){
    System.out.println(i);
    i += 6;
}</pre>
```

Permitation

HW_Find Permutation 1

System.out.println(nPr);

$$\frac{\Omega_{1}^{1}}{(n-8)!} \Rightarrow \frac{8\times 7\times 1\times 5\times 1}{4!}$$

HW_Running sum and average

```
Scanner s = new Scanner(System.in);
int n = s.nextInt();

// calculate the running sum
int sum = 0;
for(int i = 1; i <= n;i++){
    sum += i;
}

int average = (sum/n);

System.out.println(sum);
System.out.println(average);</pre>
```