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College of Computer Studies

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While loop assessment :

1. Simulate the given program code then show the output incorrect simulation will result to incorrect output.

```java
public static void main(String[] args)
{
    int i=1,n=4;
    int s=1,p=0;
    while (i <= n)
    {
        s=i*i;
        p+=s;
        i++;
    }
    System.out.println("The value of s is "+s);
    System.out.println("The value of p is "+p);
}
```

Accumulator / Counter				Output:
n	**i**	**p**	**s**	The value of s is 16
4	~~1~~	~~0~~	~~1~~	The value of p is 30
	~~2~~	~~1~~	~~1~~	
	~~3~~	~~5~~	~~4~~	
	~~4~~	~~14~~	~~9~~	
	5	30	16	

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