

Week 3 Lecture :3 While Loop - II

Tuesday, 12 August 2025 8:22 AM

3. Read N, Print sum of digits in N.

4. Read N and a single digit 'd', add 'd' back to N

5. Read N, Print reverse of N

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3. Read N, Print sum of digits in N.

$N = 528 \Rightarrow \text{sum} = 15$

`N = int(input())`

`S = 0`

`while(N>0):`

`digit = N%10`

`N = N // 10`

`S += digit`

`print(s)`

4. Read N and a single digit 'd', add 'd' back to N

$N = 52$

$d = 6$

Ans $\rightarrow 526$

$N * 10 \rightarrow 52 * 10 \Rightarrow 520$

$+d \rightarrow 520 + 6 \Rightarrow 526$

Ans = $N * 10 + d$

Solution

```
N = int(input())
```

```
d = int(input())
```

```
print(N*10 + d)
```

5. Read N, Print reverse of N

$N = 123 \rightarrow 321$

```
N = int(input())
```

```
ans = 0
```

```
while (N > 0): or (N != -1)
```

```
digit = N % 10  
N = N // 10  
ans = ans * 10 + digit  
  
print(ans)
```

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