

Lecture (15)

(2-) loop (while - end)

Ex Find the sum of the following numbers from (1) to (10), by using (while - end)

sol

```

>> s = 0 ;           ↓ + shift
    i = 1 ;           ↓
    while i <= 10     ↓
        s = s + i ;   ↓
        i = i + 1 ;   ↓
    end               ↓
    disp(s)           ↵
  
```

Ex write program to calculate the sum of odd numbers from (1) to (30), by using (while - end)

```

s = 0 ;           ↓ + shift
i = 1 ;           ↓
while i <= 30     ↓
    s = s + i ;   ↓
    i = i + 2 ;   ↓
end               ↓
disp(s) ↵
  
```

Result → 125