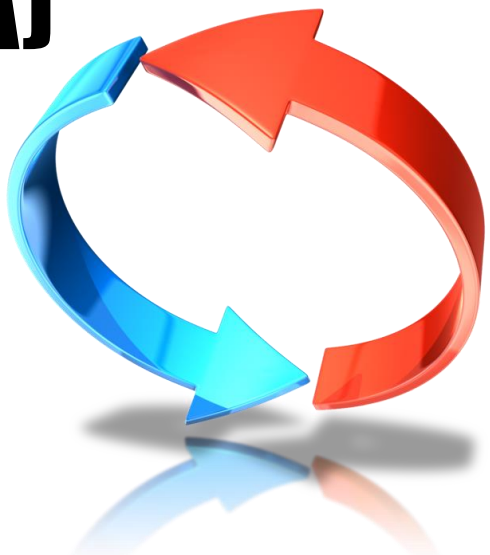
Module 04: Loop Statement (EXTRA)



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```
mat1 = [1 2 3; 4 5 6; 7 8 9];

val = 0;
for ii=1:3
    val = val + mat1(ii,1);
end
```

a) 12
b) 6
c) 24
d) 15

M04-Q1: What is the value assigned to *val*?

```
mat1 = [1 2 3; 4 5 6; 7 8 9];

val = 0;
for ii=1:3
    val = val + mat1(ii,1);
end
```

a) 12
b) 6
c) 24
d) 15

```
mat1 = [2 8; 1 3; 2 3];
vec = zeros(1,3);
for ii=1:3
    sumr = 0;
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec(ii) = sumr;
end
```

a) [0 0 0]
b) [10 4 5]
c) [2 1 2]
d) [10 14 19]

M04-Q2: What is the value assigned to *vec*?

```
mat1 = [2 8; 1 3; 2 3];
vec = zeros(1,3);
for ii=1:3
    sumr = 0;
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec(ii) = sumr;
end
```

a) [0 0 0]
b) [10 4 5]
c) [2 1 2]
d) [10 14 19]

```
mat1 = [2 8; 1 3; 2 3];
vec = zeros(1,3);

sumr = 0;
for ii=1:3
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec(ii) = sumr;
end
```

a) [0 0 0]
b) [10 4 5]
c) [2 1 2]
d) [10 14 19]

M04-Q3: What is the value assigned to *vec*?

```
mat1 = [2 8; 1 3; 2 3];
vec = zeros(1,3);

sumr = 0;
for ii=1:3
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec(ii) = sumr;
end
```

a) [0 0 0]
b) [10 4 5]
c) [2 1 2]
d) [10 14 19]

```
mat1 = [2 8; 1 3; 2 3];
vec = zeros(1,3);

sumr = 0;
for ii=1:2
    for jj=1:3
        sumr = sumr + mat1(jj, ii);
    end
    vec(ii) = sumr;
end
```

a) [5 19 0]
b) [10 4 0]
c) [5 0 0]
d) [5 14 0]

M04-Q4: What is the value assigned to *vec*?

```
mat1 = [2 8; 1 3; 2 3];
vec = zeros(1,3);

sumr = 0;
for ii=1:2
    for jj=1:3
        sumr = sumr + mat1(jj, ii);
    end
    vec(ii) = sumr;
end
```

a) [5 19 0]
b) [10 4 0]
c) [5 0 0]
d) [5 14 0]

```
mat1 = [2 8; 1 3; 2 3];
vec = [];
for ii=1:3
    sumr = 0;
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec(end+1) = sumr;
end
```

a) [5 0 0]
b) [10 4 0]
c) [10 4 5]
d) [10 14 19]

M04-Q5: What is the value assigned to *vec*?

```
mat1 = [2 8; 1 3; 2 3];
vec = [];
for ii=1:3
    sumr = 0;
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec(end+1) = sumr;
end
```

a) [5 0 0]
b) [10 4 0]
c) [10 4 5]
d) [10 14 19]

```
mat1 = [2 8; 1 3; 2 3];
vec = [];
for ii=1:3
    sumr = 0;
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec = [vec sumr];
end
```

a) [5 0 0]
b) [10 4 0]
c) [10 4 5]
d) [10 14 19]

M04-Q6: What is the value assigned to *vec*?

```
mat1 = [2 8; 1 3; 2 3];
vec = [];
for ii=1:3
    sumr = 0;
    for jj=1:2
        sumr = sumr + mat1(ii,jj);
    end
    vec = [vec sumr];
end
```

a) [5 0 0]
b) [10 4 0]
c) [10 4 5]
d) [10 14 19]

```
mat1 = [1 2 3; 4 5 6; 7 8 9];
vec = zeros(1,3);

for ii=1:3
    sumr = 0;
    for jj=ii:3
        sumr = sumr + mat1(ii,jj);
    end
    vec(ii) = sumr;
end
```

a) [0 0 0]
b) [6 11 9]
c) [6 15 24]
d) [10 14 19]

M04-Q7: What is the value assigned to *vec*?

```
mat1 = [1 2 3; 4 5 6; 7 8 9];
vec = zeros(1,3);

for ii=1:3
    sumr = 0;
    for jj=ii:3
        sumr = sumr + mat1(ii,jj);
    end
    vec(ii) = sumr;
end
```

a) [0 0 0]
b) [6 11 9]
c) [6 15 24]
d) [10 14 19]

```
mat1 = [1 2 3; 4 5 6];
mat2 = zeros(3, 2);

n = numel(mat1);

for ii=1:n
    mat2(ii) = mat1(ii);
end
```

a)

1	2	3
4	5	6

b)

1	4
2	5
3	6

c)

1	5
4	3
2	6

d) None of the above

M04-Q8: What is the value assigned to *mat2*?

```
mat1 = [1 2 3; 4 5 6];
mat2 = zeros(3, 2);

n = numel(mat1);

for ii=1:n
    mat2(ii) = mat1(ii);
end
```

a)

1	2	3
4	5	6

b)

1	4
2	5
3	6

c)

1	5
4	3
2	6

d) None of the above

```
mat1 = [1 2 3; 4 5 6];
mat2 = zeros(2, 3);

n = numel(mat1);

for ii=1:n
    mat2(ii) = mat1(n-ii+1);
end
```

a)

1	2	3
4	5	6

b)

6	5	4
3	2	1

c)

1	3	5
2	4	6

d) None of the above

M04-Q9: What is the value assigned to *mat2*?

```
mat1 = [1 2 3; 4 5 6];
mat2 = zeros(2, 3);

n = numel(mat1);

for ii=1:n
    mat2(ii) = mat1(n-ii+1);
end
```

a)

1	2	3
4	5	6

b)

6	5	4
3	2	1

c)

1	3	5
2	4	6

d) None of the above