

Assignment 4

① #include <stdio.h>

```
int main()
{
```

```
int i = 1;
```

```
while (i <= 5)
```

```
{
```

```
printf("Mysir\n");
```

```
i++;
```

```
}
```

```
return 0;
```

```
}
```

② #include <stdio.h>

```
int main()
```

```
{
```

```
int i = 1;
```

```
while (i <= 10)
```

```
{
```

```
printf("%d ", i++);
```

```
}
```

```
return 0;
```

```
}
```

i = 1

1 <= 10

i = 2

2 <= 10

O/p 1

2


```

③ #include <stdio.h>
    int main()
    {
        int i = 10;

        while (i > 0)
        {
            printf("%d ", i--);
        }

        return 0;
    }

```

i = 10	
10 > 0	9
i = 9	8
9 > 0	7
i = 8	6
8 > 0	5
i = 7	4
7 > 0	3
i = 6	2
6 > 0	1
i = 5	i = 2
5 > 0	2 > 0
i = 4	i = 1
4 > 0	1 > 0
i = 3	i = 0 - X
3 > 0	

```

④ #include <stdio.h>
    int main()
    {
        int i = 1;

        while (i <= 10)
        {
            printf("%d ", 2*i-1);
            i++;
        }

        return 0;
    }

```

1	3	5	7	9	11
13	15	17	19		


```

(5) #include <stdio.h>
int main()
{
    int i = 10;
    while (i > 0)
    {
        printf("%d ", 2*i-1);
        i--;
    }
    return 0;
}

```

19 17 15 13 11
9 7 5 3 2

```

(6) #include <stdio.h>
int main()
{
    int i = 1;
    while (i <= 10)
    {
        printf("%d ", 2*i);
        i++;
    }
    return 0;
}

```

2 4 6 8 10
12 14 16 18 20

i=1
1 <= 10 2*1 = 2
i=2 2*2 = 4
2 <= 10 2*3 = 6
i=3 2*4 = 8
3 <= 10 2*5 = 10
i=4 2*6 = 12
4 <= 10 2*7 = 14
i=5 2*8 = 16
5 <= 10 2*9 = 18
i=6 2*10 = 20

i=8 i=11
8 <= 10 11 <= 10 - X
i=9
9 <= 10
i=10
10 <= 10


```

7) #include <stdio.h>
    int main()
    {
        int i = 10;
        while (i > 0)
        {
            printf("%d ", 2*i);
            i--;
        }
        return 0;
    }

```

20, 18, 16, 14, 12, 10, 8, 6, 4, 2

```

8) #include <stdio.h>
    int main()
    {
        int i = 1;
        while (i <= 10)
        {
            printf("%d ", i*i);
            i++;
        }
        return 0;
    }

```

i=1, j=0

i x i

1 x 1 = 1

2 x 2 = 4

3 x 3 = 9

4 x 4 = 16

5 x 5 = 25

6 x 6 = 36

7 x 7 = 49

8 x 8 = 64

9 x 9 = 81

10 x 10 = 100


```

(9) #include <stdio.h>
    {
    int main()
    {
    int i = 4;
    while (i <= 10)
    {
    printf("%d ", i*i*i);
    i++;
    }
    return 0;
    }
    
```

```

(10) #include <stdio.h>
    int main()
    {
    int i = 4;
    while (i <= 10)
    {
    printf("%d ", 5*i);
    i++;
    }
    return 0;
    }
    
```