Assignment-4

Q.1 Print mysira 5 times.

```c
#include <stdio.h>
int main()
{
    int i = 1;
    while (i <= 5)
    {
        printf(" My sira\n");
        i++;
    }
    return 0;
}
```

```c
int l = 1;
do
{
    printf("mysira\n");
    i++;
}
while (i <= 5);
return 0
}
```

Ans
```
my sira
mysira
my sira
my sira
my sira
```

Q.2 Print first to natural number

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

Ans 1 2 3 4 5 6 7 8 9 10

Q.3 Print 10 natural number in reverse order

```c
#include <stdio.h>
int main()
{
    int i = 10;
    for (i=10; i >= 1; i--)
    {
        printf("%d", i);
    }
    return 0;
}
```

Ans 10 9 8 7 6 5 4 3 2 1

Q.4 Print first 10 odd number

Arithmetic Progration

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

Ans 1 3 5 7 9 11 13 15 17 19

Q.5 Print first 10 odd natural number in reverse order

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

```
for( i=10; i>=1; i--)
{ printf("%d", 2*i-1);
}
    return 0;
}
```

Ans 19 17 15 13 11 9 7 5 3 1

Q.6 print first 10 even natural number:

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

Ans 2 4 6 8 10 12 14 16 18 20

Q.7 print first 10 even natural number in reverse order

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

Ans 20 18 16 14 12 10
     8 6 4 2

```
int i=20;
for( i=20; i>=1; i=i-2)
{ printf("%d", i);
}
    return 0;
}
```

Ans 20 18 16 14 12 10
     8 6 4 2

Q.8 Print square of the first 10 natural number

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

Ans 1 4 9 16 25 36 49 64 81 100

Q.9 Print cubes of the first 10 natural number

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

Ans 1 8 27 64 125 216 343 512 729 1000.

Q.10 Print a table of 5

```c
#include <stdio.h>
int main()
{
    int i=1, n=5; a;
    for(i=1; i<=10; i++)
    {
        Printf("%d
        a = n×i;
        print f("%d & %d = %d\n", n, i, a);
    }
    return 0;
}
```

Ans

5 × 1 = 5
5 × 2 = 10
5 × 3 = 15
5 × 4 = 20
5 × 5 = 25
5 × 6 = 30
5 × 7 = 35
5 × 8 = 40
5 × 9 = 45
5 × 10 = 50