Assignment 6

Code1

```c
/*Write a program to print the following pattern using looping concept. If
user enters value of 'n' = 5. Here n defines the depth of pattern.
    $
   $ $
  $ $ $
 $ $ $ $
$ $ $ $ $*/

#include <stdio.h>
int main()
{
    int n,i,j,k;

    printf("Enter a Number : ");
    scanf("%d", &n);

    for(i=n;i>=1;i--)
    {
        for(j=1;j<=n;j++)
        {
            if(j<i)
            printf(" ");

            else
            {
                printf("$ ");
                j=j+1;
            }
        }

        for(k=n;k>i;k=k-2)
        {
            printf("$ ");
        }

        printf("\n");
    }
    return 0;}
```

Output

```
Enter a Number : 5
     $
    $ $
   $ $ $
  $ $ $ $
 $ $ $ $ $


...Program finished with exit code 0
Press ENTER to exit console.
```

Code 2

```c
/*Write a program to print the following pattern using looping concept. If
user enters value of 'n' = 5. Here n defines the depth of pattern.
    $
   $ $
  $ $ $
 $ $ $ $
$ $ $ $ $
 $ $ $ $
  $ $ $
   $ $
    $
*/


#include <stdio.h>
int main()
{
    int n,i,j,k,a,b,c;

    printf("Enter a Number : ");
    scanf("%d",&n);

    for(i=n;i>=1;i--)
    {
        for(j=1;j<=n;j++)
        {
            if(j<i)
            printf(" ");
            else
            {
                printf("$ ");
                j=j+1;
            }
        }
        for(k=n;k>i;k=k-2)
        {
            printf("$ ");
        }
        printf("\n");
    }
}
```

```c
    for(a=n-1;a>=1;a--)
        {
            for(b=n-1;b>=1;b--)
            {
                if(b>a)
                printf(" ");
                else
                {
                    printf(" $");
                    b=b-1;
                }
            }

            for(c=1;c<a;c=c+2)
            {
                printf(" $");
            }
        printf("\n");
            }
        return 0;
}
```

Output

```
Enter a Number : 5
      $
    $ $
   $ $ $
  $ $ $ $
 $ $ $ $ $
  $ $ $ $
   $ $ $
    $ $
      $



...Program finished with exit code 0
Press ENTER to exit console.
```