Logic Building Assignment : 48

Draw stack layout of each program separately.

1. Write a recursive program which display below pattern.

Input :   5

Output :   *   *   *   *   *

Prototype :

```
void Display(int iNo)
{
     // Logic
}

int main()
{
     int iValue = 0;

     printf("Enter number");
     scanf("%d",&iValue);

     Display(iValue);

     return 0;
}
```

2. Write a recursive program which display below pattern.

Input :   5

Output :   1   2   3   4   5

Prototype :

```
void Display(int iNo)
{
     // Logic
}

int main()
{
```

```
    int iValue = 0;

    printf("Enter number");
    scanf("%d",&iValue);

    Display(iValue);

    return 0;
}
```

3.Write a recursive program which display below pattern.

Input :   5

Output :   5   4   3   2   1

Prototype :

```
void Display(int iNo)
{
    // Logic
}

int main()
{
    int iValue = 0;

    printf("Enter number");
    scanf("%d",&iValue);

    Display(iValue);

    return 0;
}
```

4.Write a recursive program which display below pattern.

Input :   6

Output :   A   B   C   D   E   F

Prototype :

void Display(int iNo)

```
{
    // Logic
}

int main()
{
    int iValue = 0;

    printf("Enter number");
    scanf("%d",&iValue);

    Display(iValue);

    return 0;
}
```

5.Write a recursive program which display below pattern.

Input :   6

Output :   a   b   c   d   e   f

Prototype :

```
void Display(int iNo)
{
    // Logic
}

int main()
{
    int iValue = 0;

    printf("Enter number");
    scanf("%d",&iValue);

    Display(iValue);

    return 0;
}
```