Logic Building Assignment : 45

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;
}
```