Logic Building Assignment : 46

Draw stack layout of each program separately.

1. Write a recursive program which accept string from user and count white spaces.

Input : HE llo WOr lD

Output : 3

Prototype :

```
int WhiteSpace(char *str)
{
        // Logic
}
```

2. Write a recursive program which accept number from user and return largest digit

Input : 87983

Output : 9

Prototype :

```
int Max(int iNo)
{
        // Logic
}
```

3. Write a recursive program which accept string from user and count number of small characters.

Input : HElloWOrlD

Output : 5

Prototype :

```
int Small(char *str)
{
        // Logic
}
```

4.   Write a recursive program which accept number from user and return smallest digit

Input : 87983

Output : 3

Prototype :

```
int Min(int iNo)
{
        // Logic
}
```

5. Write a recursive program which accept number from user and return its reverse number.

Input :   523

Output :   325

Prototype :

```
int Reverse(int iNo)
{
        // Logic
}
```