

LAB-2

STACK IMPLEMENTATION USING ARRAYS

Pseudo code:-

```
int A[10];
```

```
top = -1;
```

```
push(x)
```

```
{
```

```
top = top + 1
```

```
A[top] = x
```

```
}
```

```
pop()
```

```
{
```

```
top = top - 1
```

```
}
```

```
top()
```

```
{
```

```
return A[top];
```

```
}
```

```
Is Empty()
```

```
{
```

```
if (top == -1)
```

```
return True
```

```
else
```

```
return False
```

```
}
```

Is Full()

{

if (MAXSIZE == top)

return True

else

return False

}