

Q2. WAP to show working of stack using array :-  
a) push b) pop c) display.

Ans

```
void push (int x, int stack)
{
    if (top == n-1)
        printf ("OVERFLOW! \n");
    else
        printf { top++;
                stack[top] = x; }
}
```

```
void pop (int int stack[])
{
    int p;
    if (top <= -1)
        printf ("UNDERFLOW! \n");
    else
    {
        p = stack[top];
        top--;
    }
}
```

```
void display (int int stack)
{
    printf ("STACK: \n");
    for for (int i = top; i >= 0; i--)
    {
        printf ("%d", stack[i]);
    }
}
```