Day – 16 of the 101 days coding Challenge

---------------------------------------------------Stack---------------------------------------------------------------------------

* Stack follows the principle of the LIFO(Last in first out)
* Code:

#include<iostream>

using namespace std;

int arr[30], top = -1; // top is used for the index of the data

void push(int data) // inserting the data into the stack

{

top+=1; // incrementing the top for inserting the data

arr[top] = data;

}

void pop() // deleting the data

{

if(top == -1) // during the empty stack

cout<<"Empty stack"<<endl;

else

{

top--; // decrementing the index's data

}

}

void display() // displaing the data of the stack

{

for(int i = top; i>=0; i--)

{

cout<<arr[i]<<endl;

}

}

int main()

{

push(20);

push(30);

push(40);

cout<<"All the inserted data"<<endl;

display();

pop();

cout<<"After deleting the one data"<<endl;

display();

return 0;

}

* Output:

