Week-2 Stack implementation.

Pseudo code

```
#define MAX 5
int top = -1, stack[MAX]
void push();
void pop();
void display();

int main()
{
int ch;
while(1)
{
printf("Stack menu");
printf("\n1.Push \n2.Pop \n3. Display \n. Exit")
printf("Enter your choice")
Scanf("%d", &ch);
Switch(ch)
{   case 1: push();
            break
    case 2: pop();
            break
    case 3: display();
            break
    case 4: exit(0);
    default: printf("Wrong input:");
}
}
}
```

```
Void pop()
{
    if (top == -1)
    {
    printf("Stack is empty");
    }
    else
    {
    printf("Deleted element is %d", stack[top]);
        top = top-1;
    }
}
```

```
Void push ()
 int val;
   if (top == max - 1)
    {
      printf ("stack is empty");
      else.
       printf (" Deleted element is %d", stack[top]);
         top = top - 1;
      }
    }
void display()
    {
    int i;
    if(top == -1)
     {
     printf ("stack is empty !");
     }
     else
       printf (" stack is ");
          for (i = top; i >= 0; --i)
             printf("%d\n", stack[i]);
        }
      }
```