WEEK 1

```c
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
#define size 50
char stack[size];
int top=-1;
push(char elem)
{
   stack[++top]=elem;
}
char pop()
{
   return(stack[top--]);
}
Void display()
{
   if(top==-1)
     printf("Stack is empty");
   Else
   {
      Int i;
      printf("The elements are ");
      for(int  i =0; i<=size; i++)
         printf("%d", stack[i]);
    }
}
void main()
{
   int ch;
   while(1)
   {
     printf("1.Insert \n2.Delete \n3.Display \n4.Exit \n");
     scanf("%d",&ch);
     printf("\n\n");
     switch(ch)
     {
     case 1: printf("Enter the element to be inserted");
             scanf("%d",&elem);
              push();
              break;
     case 2: pop();
```

```c
            break;
    case 3: display();
            break;
    case 4: exit(0);
    default:printf("Invalid Input \n");
    }
  }
}
```