Program to Show the Concept of "PUSH" or "POP" Operation.

```
#include<stdio.h>
#include<conio.h>
int stack[5], top = -1;

void push();
void pop();
void show();
void main()
{
    int ch;
    clrscr();
    printf(" 1  PUSH \n");
    printf(" 2  POP \n");
    printf(" 3  Show \n");
    printf(" 4  Exit ");

  while(1)
  {
    printf("\n Enter choice ");
    scanf("%d", &ch);

  switch(ch)
    {
      case 1: push();
              break;
```

```
        case 2 : pop();
                 break;
        case 3 : show();
                 break;
        case 4 : exit(0);
                 break;
        default : printf("Invalid option");
    }
  }
}
void push()
{
   int item;
   if(top == 5-1)
    {
      printf(" Stack is full");
    }
   else
    {                Push
      printf(" Enter element in stack :");
      scanf("%d", &item);
      top = top + 1;
      stack[top] = item;
    }
}

void pop()
{
```

```
if (top == -1)
 {
  printf(" Stack is empty ");
 }
 else
 {
    printf (" POPPED -1.d ", stack[top]);
    top = top - 1;
 }
}
 void show()
 {
    int i;
    if (top >= 0)
     {
      printf (" Stack elements \n");
      for (i = top ; i >= 0; i--)
        {
        printf (" -1.d ", stack[i]);
        }
     }
     else
       {
         printf (" stack is Empty ");
       }
}
```