```
#include <stdio.h>
#include <stdlib.h>
#define max 10
int stack[max];
int top = -1;
int val;
void push(int);
void pop();
void display();
int main()
       printf("Enter your choice\n");
       printf("1.Push\n2.Pop\n3.Display\n4.Exit\n");
               printf("Overflow\n");
                printf("Enter value to be pushed\n");
                push(val);
                printf("Push operation completed\n");
                printf("Underflow\n");
```

```
pop();
              printf("Pop operation completed\n");
          if (top == -1)
          printf("Exit\n");
          printf("Incorrect input\n");
void push(int val)
      stack[top] = val;
```

```
PS C:\Users\kadab\OneDrive\Desktop\DS> gcc one.c
PS C:\Users\kadab\OneDrive\Desktop\DS> .\a.exe
Enter your choice
1.Push
2.Pop
3.Display
4.Exit
Enter value to be pushed
Push operation completed
Enter your choice
1.Push
2.Pop
3.Display
4.Exit
Enter value to be pushed
Push operation completed
Enter your choice
1.Push
2.Pop
3.Display
4.Exit
Enter value to be pushed
Push operation completed
Enter your choice
1.Push
2.Pop
3.Display
4.Exit
Enter your choice
1.Push
2.Pop
3.Display
4.Exit
Pop operation completed
Enter your choice
1.Push
2.Pop
3.Display
4.Exit
Enter your choice
1.Push
2.Pop
3.Display
4.Exit
4
Exit
PS C:\Users\kadab\OneDrive\Desktop\DS>
```

