```
3 int STK[100], TOP = -1, i, n, x, choice;
4 void Push();
5 void Pop();
6 void Peep();
0 int main(){
                   printf("WELCOME to Implementation of STACK using array \n");
printf("Enter the size of Stack (Max = 100): ");
scanf("%d", &n);
                                printf("\n Stack Operation available: ");
printf("1.Push\t 2.Pop\t 3.Peep\t 4.Display\t 5.Exit \n");
printf(" \nEnter your choice: \n");
scanf("%d", &choice);
switch (choice)
                                        Push();
                                         Pop();
```

```
16 void Push()
         STK[TOP] = x;
                 printf("the popped element is: %d \n",STK[TOP]);
printf(" The element in the stack are:");
for (i = n; i > -1; i--){
    printf("\n %d \n", STK[i]);
```

```
dl0410@itadmin:~$ gedit meet.c
dl0410@itadmin:~$ gcc meet.c
dl0410@itadmin:~$ ./a.out
WELCOME to Implementation of STACK using array
Enter the size of Stack (Max = 100): 4
Stack Operation available: 1.Push
                                       2.Pop
                                               Peep 4.Display
                                                                       5.Exit
Enter your choice:
Enter the element to be pushed: 3
Stack Operation available: 1.Push
                                       2.Pop
                                               Peep 4.Display
                                                                       5.Exit
Enter your choice:
Enter the element to be pushed: 2
Stack Operation available: 1.Push
                                       2.Pop
                                               Peep 4.Display
                                                                       5.Exit
Enter your choice:
Enter the element to be pushed: 4
Stack Operation available: 1.Push
                                       2.Pop
                                               Peep 4.Display
                                                                       5.Exit
Enter your choice:
The element in the stack are:
2
3
Stack Operation available: 1.Push
                                       2.Pop
                                               3.Peep 4.Display
                                                                       5.Exit
Enter your choice:
the popped element is: 4
Stack Operation available: 1.Push
                                       2.Pop
                                               3.Peep 4.Display
                                                                       5.Exit
Enter your choice:
enter position of element you want to peep3
stack under flow on peep
```