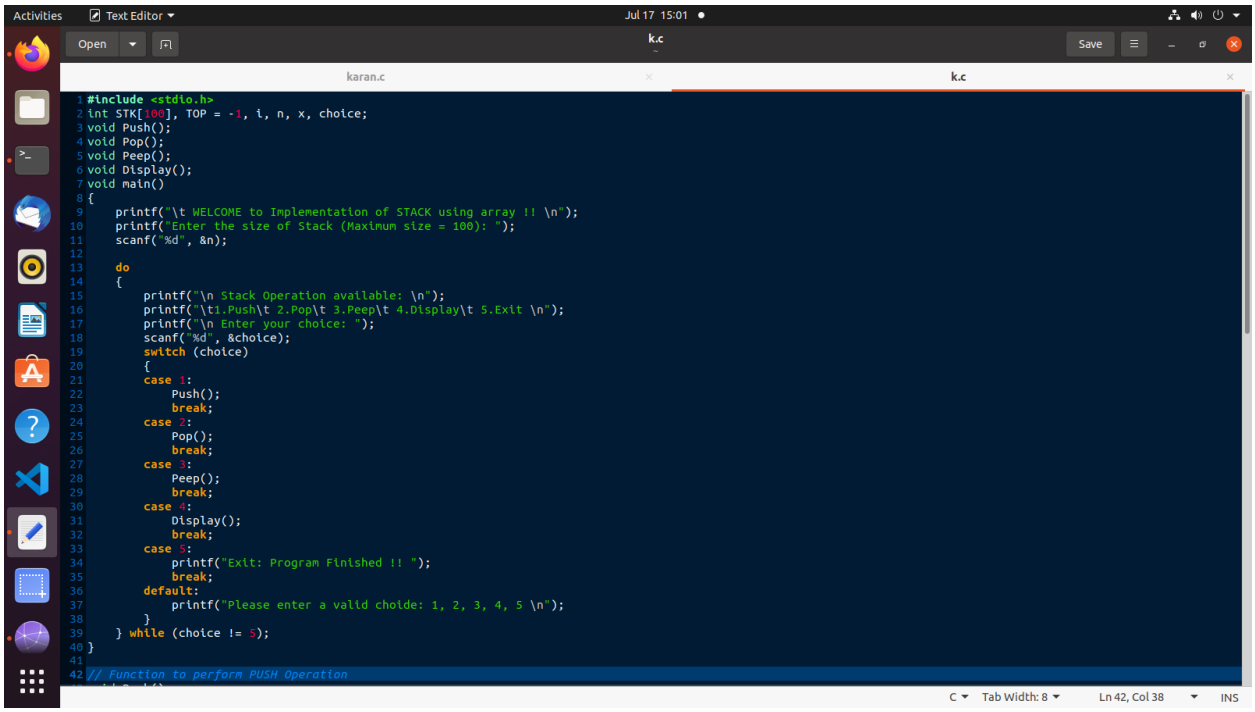
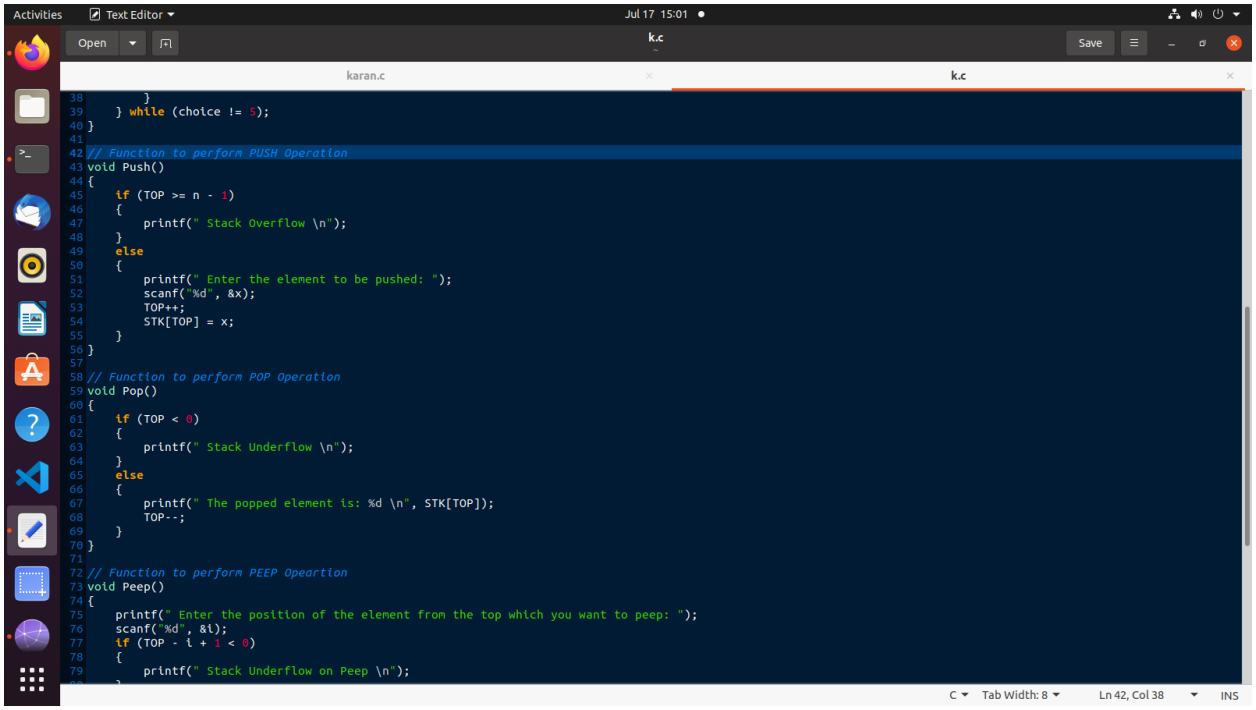
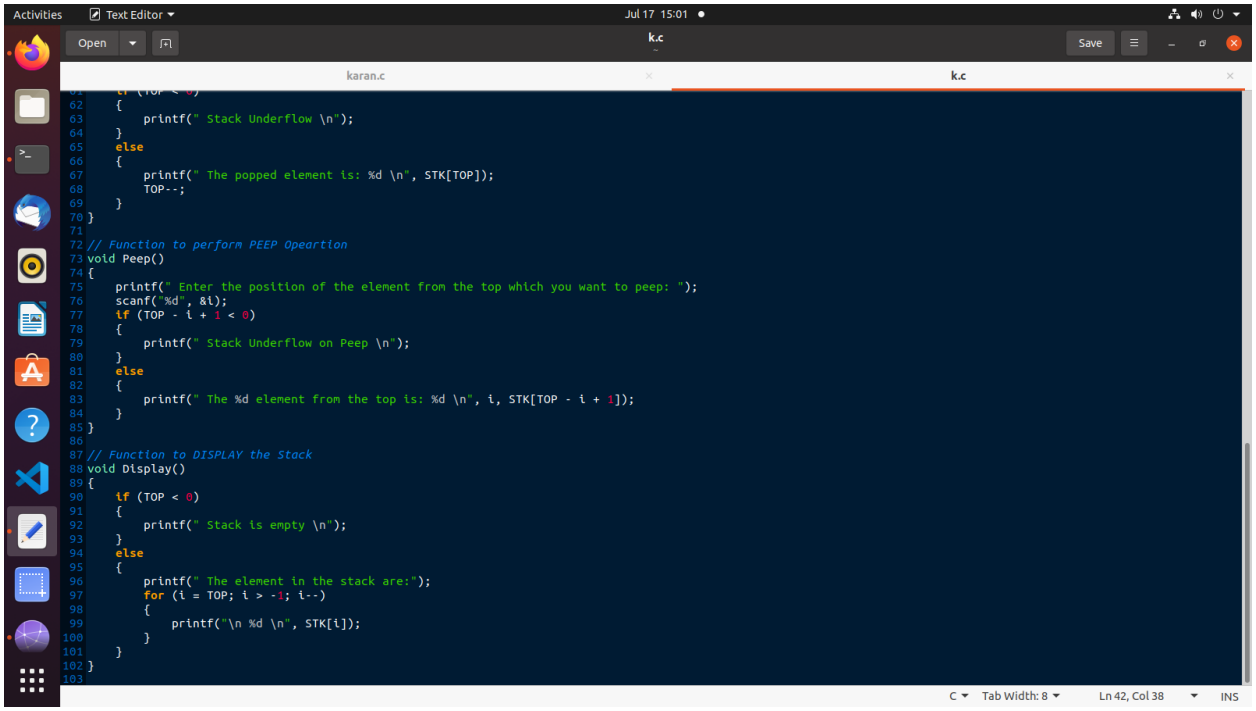
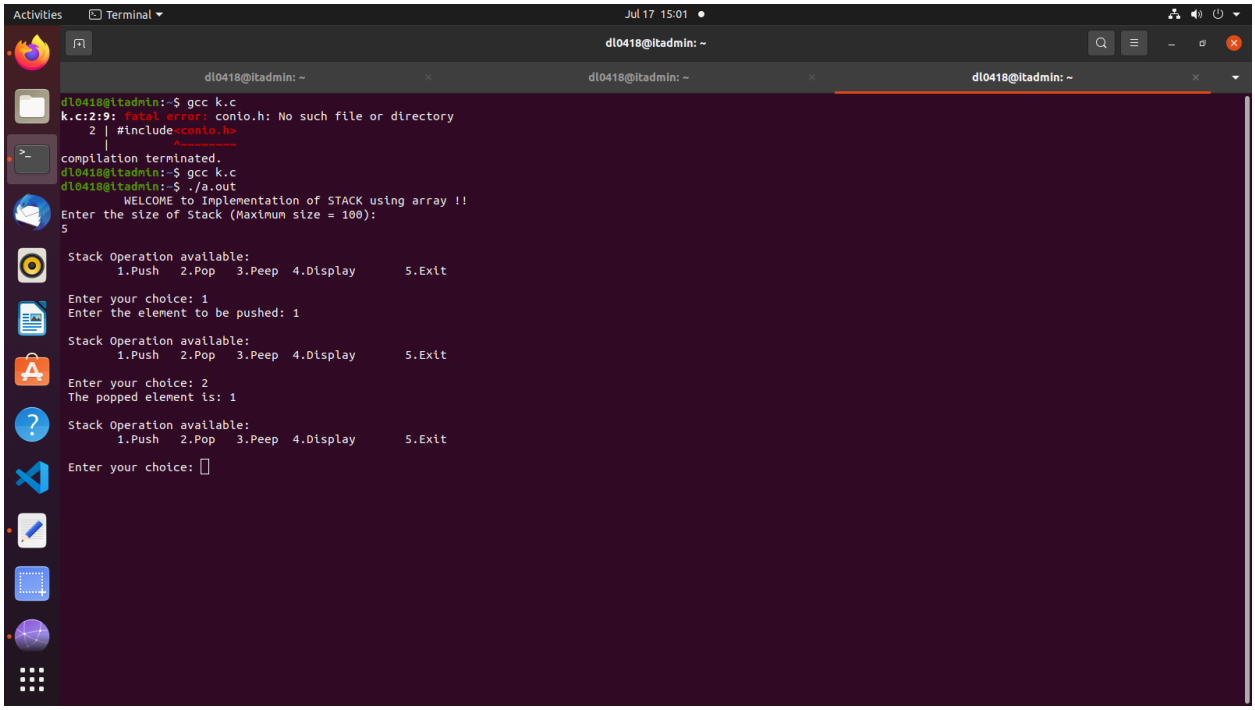
Karan shah
Roll number - 52
SY IT




Activities
Text Editor
Jul 17 15:01
Open
k.c
Save
karan.c
k.c
}
} while (choice != 5);
}
// Function to perform PUSH Operation
void Push()
{
if (TOP >= n - 1)
{
printf(" Stack Overflow \n");
}
else
{
printf(" Enter the element to be pushed: ");
scanf("%d", &x);
TOP++;
STK[TOP] = x;
}
}
// Function to perform POP Operation
void Pop()
{
if (TOP < 0)
{
printf(" Stack Underflow \n");
}
else
{
printf(" The popped element is: %d \n", STK[TOP]);
TOP--;
}
}
// Function to perform PEEP Opeartion
void Peep()
{
printf(" Enter the position of the element from the top which you want to peep: ");
scanf("%d", &i);
if (TOP - i + 1 < 0)
{
printf(" Stack Underflow on Peep \n");
C
Tab Width: 8
Ln 42, Col 38
INS


Activities
Text Editor
Jul 17 15:01
Open
k.c
Save
karan.c
k.c
{
printf(" Stack Underflow \n");
}
else
{
printf(" The popped element is: %d \n", STK[TOP]);
TOP--;
}
}
// Function to perform PEEP Opeartion
void Peep()
{
printf(" Enter the position of the element from the top which you want to peep: ");
scanf("%d", &i);
if (TOP - i + 1 < 0)
{
printf(" Stack Underflow on Peep \n");
}
else
{
printf(" The %d element from the top is: %d \n", i, STK[TOP - i + 1]);
}
}
// Function to DISPLAY the Stack
void Display()
{
if (TOP < 0)
{
printf(" Stack is empty \n");
}
else
{
printf(" The element in the stack are:");
for (i = TOP; i > -1; i--)
{
printf("\n %d \n", STK[i]);
}
}
}
C
Tab Width: 8
Ln 42, Col 38
INS


Activities
Terminal
Jul 17 15:01
dl0418@itadmin: ~
dl0418@itadmin: ~
dl0418@itadmin: ~
dl0418@itadmin: ~
dl0418@itadmin:~$ gcc k.c
k.c:2:9: fatal error: conio.h: No such file or directory
2 | #include<conio.h>
| ^~~~~~~~~
compilation terminated.
dl0418@itadmin:~$ gcc k.c
dl0418@itadmin:~$ ./a.out
WELCOME to Implementation of STACK using array !!
Enter the size of Stack (Maximum size = 100):
5
Stack Operation available:
1.Push 2.Pop 3.Peep 4.Display 5.Exit
Enter your choice: 1
Enter the element to be pushed: 1
Stack Operation available:
1.Push 2.Pop 3.Peep 4.Display 5.Exit
Enter your choice: 2
The popped element is: 1
Stack Operation available:
1.Push 2.Pop 3.Peep 4.Display 5.Exit
Enter your choice: