

# Lab Assignment - 3

## Task1:

### File Creation and Compilation:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ touch task1.c
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ gedit task1.c
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ gcc -o task1 task1.c
```

### Example 1:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task1
Provide Your Input from Given Options:
1. Type a to Add Money
2. Type w to Withdraw Money
3. Type c to Check Balance
a
Your selection: a

Enter amount to be added:
100
Balance added successfully
Updated balance after addition:
1100
Thank you for using
```

### Example 2:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task1
Provide Your Input from Given Options:
1. Type a to Add Money
2. Type w to Withdraw Money
3. Type c to Check Balance
a
Your selection: a

Enter amount to be added:
-600
Adding failed, Invalid amount
Thank you for using
```

### Example 3:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task1
Provide Your Input from Given Options:
1. Type a to Add Money
2. Type w to Withdraw Money
3. Type c to Check Balance
w
Your selection: w

Enter amount to be withdrawn:
600
Balance withdrawn successfully
Updated balance after withdrawal:
400
Thank you for using
```

### Example 4:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task1
Provide Your Input from Given Options:
1. Type a to Add Money
2. Type w to Withdraw Money
3. Type c to Check Balance
w
Your selection: w

Enter amount to be withdrawn:
-300
Withdrawal failed, Invalid amount
Thank you for using
```

### Example 5:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task1
Provide Your Input from Given Options:
1. Type a to Add Money
2. Type w to Withdraw Money
3. Type c to Check Balance
c
Your selection: c

Your current balance is:
1000
Thank you for using
```

### Example 6:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task1
Provide Your Input from Given Options:
1. Type a to Add Money
2. Type w to Withdraw Money
3. Type c to Check Balance
o
Your selection: o

Invalid selection
Thank you for using
```

### Task2:

#### File Creation and Compilation:

A screenshot of a terminal window with a dark background. The terminal shows three commands being executed in sequence: 'touch task2.c', 'gedit task2.c', and 'gcc -o task2 task2.c'. The prompt 'ubuntu@ubuntu-VirtualBox: ~' is visible at the top right of the terminal area.

```
ubuntu@ubuntu-VirtualBox: ~
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ touch task2.c
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ gedit task2.c
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ gcc -o task2 task2.c
```

### Example 1:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task2
Please enter the workspace name:
cse321
Workspace name sent to otp generator from log in: cse321

OTP generator received workspace name from log in: cse321

OTP sent to login from OTP generator: 9383
OTP sent to mail from OTP generator: 9383
Mail received OTP from OTP generator: 9383
OTP sent to log in from mail: 9383
Log in received OTP from OTP generator: 9383
Log in received OTP from mail: 9383
OTP Verified
```

### Example 2:

```
ubuntu@ubuntu-VirtualBox:~/BRACU_CSE/CSE321_Lab/Assignment3$ ./task2
Please enter the workspace name:
abc
Invalid workspace name
```