Execute following commands for GNU Compiler(gcc)

$sudo apt update

$sudo apt install build-essential

$gcc --version

Exercise:10

Study and practice on compilation process of C programs under UNIX.

Syntax for create, compile and execute a C-program in Linux Environment.

1. Syntax for creating a c-program
   $vi file.c   OR $gedit file.c

2. Syntax for compiling a c-program
   $gcc file.c   OR $gcc file.c -o file

3. Syntax for executing a compiled C-program.
   $./a.out   OR $./file

Task:

1. Write a C-program to implement switch case in linux environment

2. Write a C-program to create a function for addition of three numbers.

3.. Write a C-program to print the number in reverse order.

Study and practice on shells/shell programming with relevant programming constructs, syntax, usage, application

Steps to be followed to execute shell script:

To create a shell program, the syntax as follows

$ vi   file.sh

```
read -p "enter input" user_input
if [ $user_input=="GVPCEW" ]
then
   echo "Hello"
fi
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~
'f.sh' 5L, 87C
```

To execute a shell script, the syntax is given below.

$bash file.sh

```
localhost:~# sh f.sh
eneter inputGVPCEW
Hello
localhost:~#
```

Task:

1. Write a shell program to find addition of two numbers.

2. Write a shell program to implement if -else control block.

3. Write a shell program to sort the given numbers in ascending order.