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Section : BS SE (5 – 2)

Course : Operating System Lab

Lab 5 Tasks :

Task 1 :

```
File Actions Edit View Help
(riphah@kali)-[~]
$ ls -l
total 1280
-rw-rw-r-- 1 riphah riphah 866436 Aug 26 17:20 1010.05971.pdf
-rw-rw-r-- 1 riphah riphah 217 Aug 26 17:37 2103.08024.pdf
drwxrwxr-x 4 riphah riphah 4096 Aug 26 10:42 cupp
-rw-rw-r-- 1 riphah riphah 106066 Aug 26 17:20 curl_response
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Desktop
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Documents
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Downloads
-rw-r--r-- 1 root root 0 Sep 16 11:33 file.txt
-rw-rw-r-- 1 riphah riphah 1 Aug 26 10:50 hasti.txt
-rw-rw-r-- 1 riphah riphah 939 Jul 24 12:10 'kali -s002'
drwxrwxr-x 2 riphah riphah 4096 Sep 16 11:31 lab
drwxrwxr-x 4 riphah riphah 4096 Sep 16 12:44 lab04
drwxrwxr-x 2 riphah riphah 4096 Sep 16 11:29 lab4
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Music
-rw-rw-r-- 1 riphah riphah 186866 Aug 26 17:34 output.txt
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Pictures
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Public
drwxrwxr-x 25 riphah riphah 4096 Aug 28 16:41 sleuthkit
drwxrwxr-x 3 riphah riphah 4096 Jul 23 10:25 slowloris
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Templates
drwxr-xr-x 2 riphah riphah 4096 Jul 22 12:50 Videos
drwxrwxr-x 8 riphah riphah 4096 Aug 1 10:39 zphisher

(riphah@kali)-[~]
$ mkdir Lab-5
(riphah@kali)-[~]
$ cd Lab-5
```

Task 2 :

The screenshot shows a terminal window titled 'kali' running on a Kali Linux desktop environment. The terminal displays the following session:

```
(riphah㉿kali)-[~]
$ touch Amman-55633.c
(riphah㉿kali)-[~]
$ cat >> Amman-55633.c
#include <stdio.h>
int main()
{
int numbers;
printf("enter a number");
scanf("%d" , &number);
if (number % 2 == 0)
{
printf("%d is an even number.\n" , number);
}
else{
printf("%d is an odd number.\n" , number);
}
return 0;
}

(riphah㉿kali)-[~]
(riphah㉿kali)-[~]
$ gcc Amman-55633.c -o Lab-5
Amman-55633.c: In function 'main':
Amman-55633.c:6:15: error: 'number' undeclared (first use in this function); did you mean 'numbers'?
  6 | scanf("%d" , &number);
               |
               numbers
Amman-55633.c:6:15: note: each undeclared identifier is reported only once for each function it appears in
```

The terminal shows the user creating a file named 'Amman-55633.c', entering its code, and then compiling it with 'gcc'. The compilation fails due to an undeclared variable 'number'.

Output :

The screenshot shows a terminal window titled 'kali' running on a Kali Linux desktop environment. The terminal session is as follows:

```
File Actions Edit View Help
(riphah㉿kali)-[~]
$ gcc Amman-55633.c -o Lab-5
/usr/bin/ld: cannot open output file Lab-5: Is a directory
collect2: error: ld returned 1 exit status

(riphah㉿kali)-[~]
$ gcc Amman-55633.c -o Amman-55633.c
gcc: fatal error: input file 'Amman-55633.c' is the same as output file
compilation terminated.

(riphah㉿kali)-[~]
$ touch 55633.c

(riphah㉿kali)-[~]
$ ls
1610.05971.pdf  Amman-55633.c  curl_response  Downloads  'kali -s002'  lab4  output.txt  sleuthkit  test.c
2103.08624.pdf  Ammanullah-55633.c  Desktop    Documents  file.txt  lab   Lab-5  Pictures  slowloris  Videos
55633.c          cupp                  Documents  hast1.txt  lab04  Music   Public   Templates  zphisher

(riphah㉿kali)-[~]
$ gcc Amman-55633.c -o 55633.c

(riphah㉿kali)-[~]
$ gcc Amman-55633.c -o Amman-55633
(riphah㉿kali)-[~]
$ ./Amman-55633
enter a number4
4 is an even number.

(riphah㉿kali)-[~]
```

The terminal window has a green header bar with icons for Home, Applications, and Network. The desktop background is a blue and white abstract pattern. A DELL logo is visible at the bottom center. The system tray shows the date and time as 'Activate Window Go to Settings to activate' and the weather as '33°C Haze'. A status bar at the bottom of the terminal window says 'Move the mouse pointer outside or press Ctrl+Alt.'

Task 3 :

```
File Actions Edit View Help
lab 3
chmod
ge


Move the mouse pointer outside or press Ctrl+Alt.



to search



DELL


```

Task 4 :

```
#include<stdio.h>
int main(){
    printf("Hello..\n");
    return 0;
}
```

Task 5 :

```
GNU nano 6.2                                     hello.java
public class hello{
    public static void main(String[] args){
        System.out.println("Helloworld");
    }
}
```