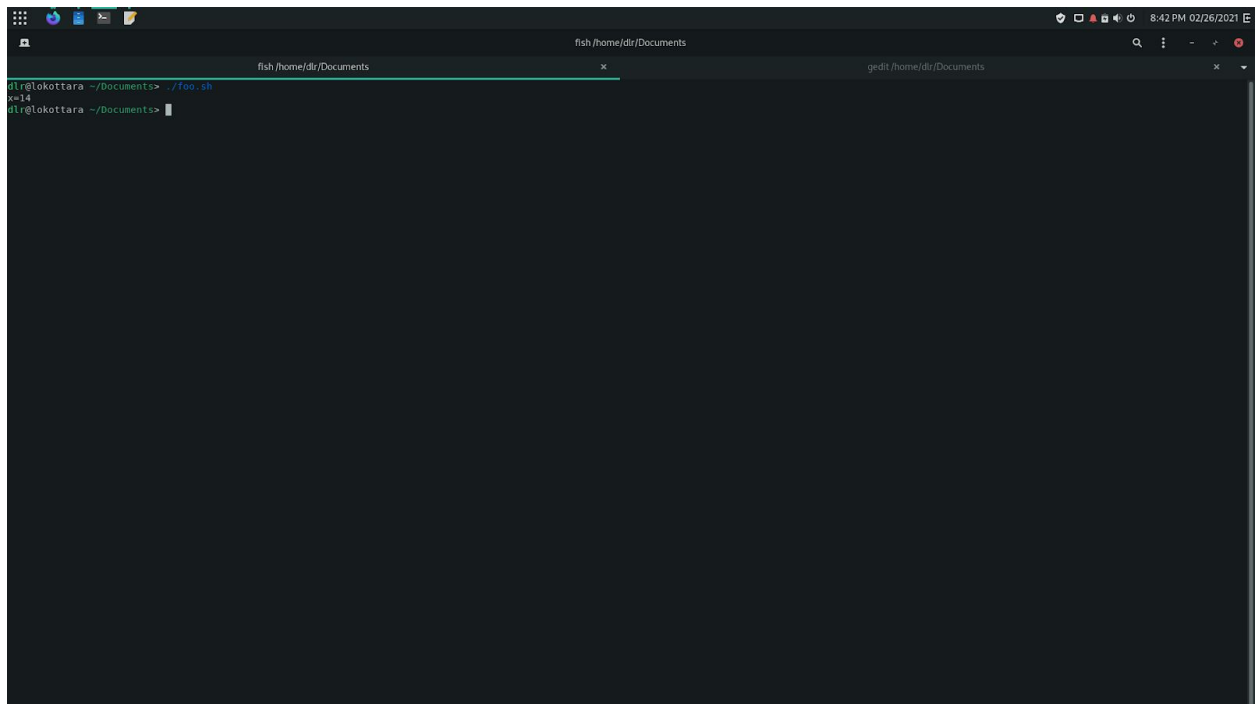


**Name:** David Louis Roy II

**Lab Number:** 6

## Part A:

A screenshot of a terminal window with a dark background. The window title bar shows 'fish /home/dlr/Documents' and '8:42 PM 02/26/2021'. The terminal content shows a user prompt 'dlr@Lokottara ~/Documents>' followed by the command './foo.sh' in blue. The next line shows the output 'x=14'. The prompt 'dlr@Lokottara ~/Documents>' is visible again on the next line.

```
dlr@Lokottara ~/Documents> ./foo.sh
x=14
dlr@Lokottara ~/Documents>
```

- 1.
2. It initializes the values  $x=0$  and  $i=1$ . Then, it does  $s = i^2$ ,  $x = s+x$ , and  $i = i$  incremented as long as  $i$  is less than or equal to 3. Then, it echoes the final value of  $x$  which is 14.

## Part B:

```
fish /home/dlr/Documents x
gedit /home/dlr/Documents x
dlr@lokottara ~/Documents> ./foo.sh 5
x=55
dlr@lokottara ~/Documents> █
```

## Part C:

```
fish /home/dlr/Documents x
gedit /home/dlr/Documents x
dlr@lokottara ~/Documents> ./foo.sh
please input a number
5
x=55
dlr@lokottara ~/Documents> █
```

## Part D: `public class foo{`

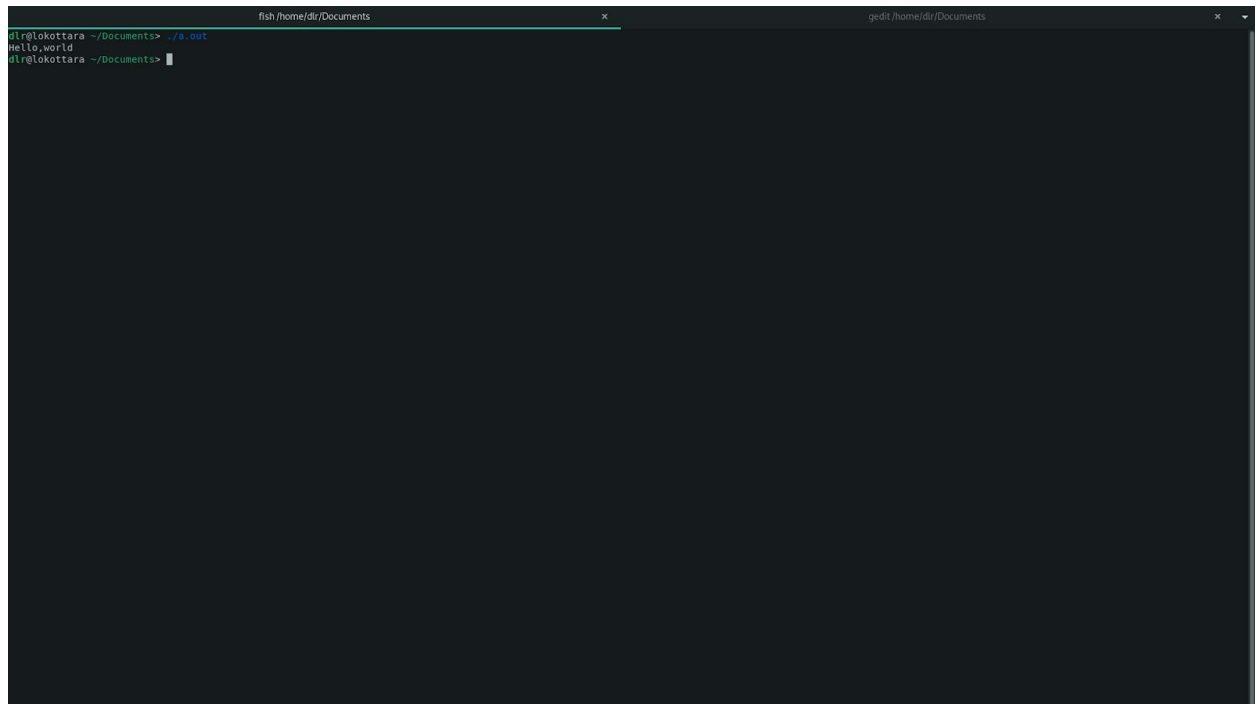
```
public static void main(String []args){
    int x = 0;
```

```
int i = 0;
int s;

do
{
s = i*i;
x = s+x;
i = i+1;
}
while (i<=3);
System.out.print("x = " + x);
}
```

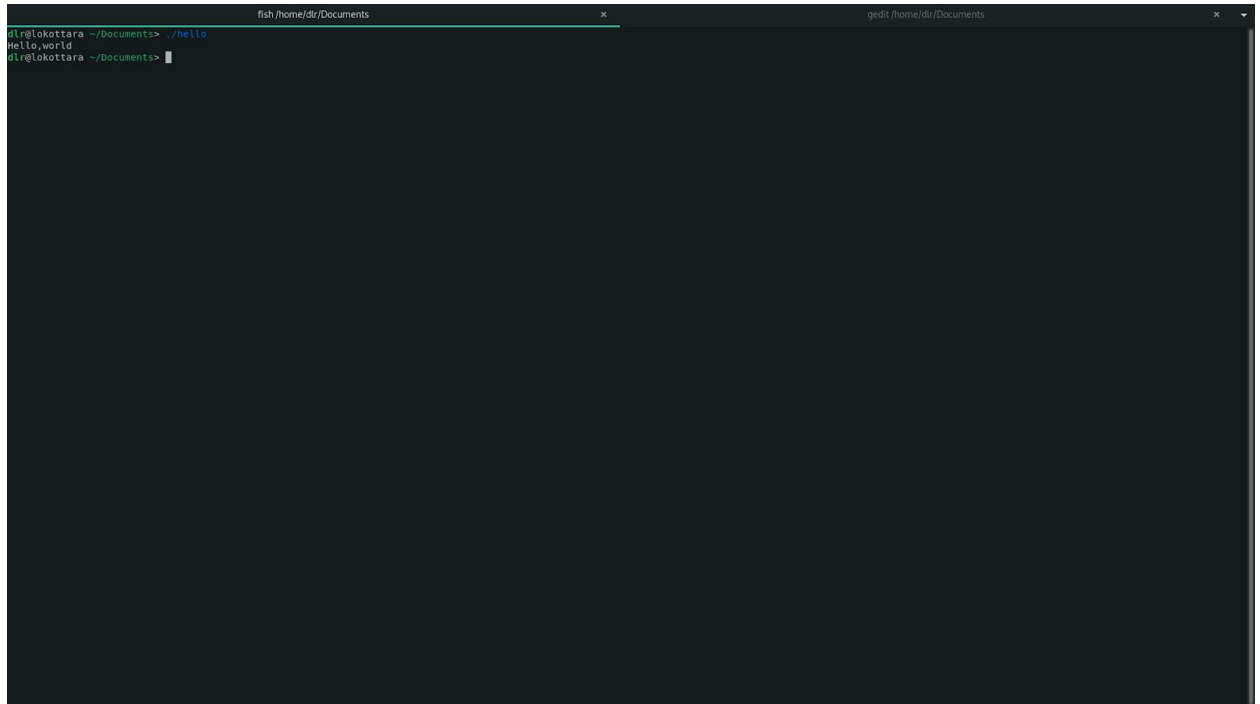
## Part E:

1.



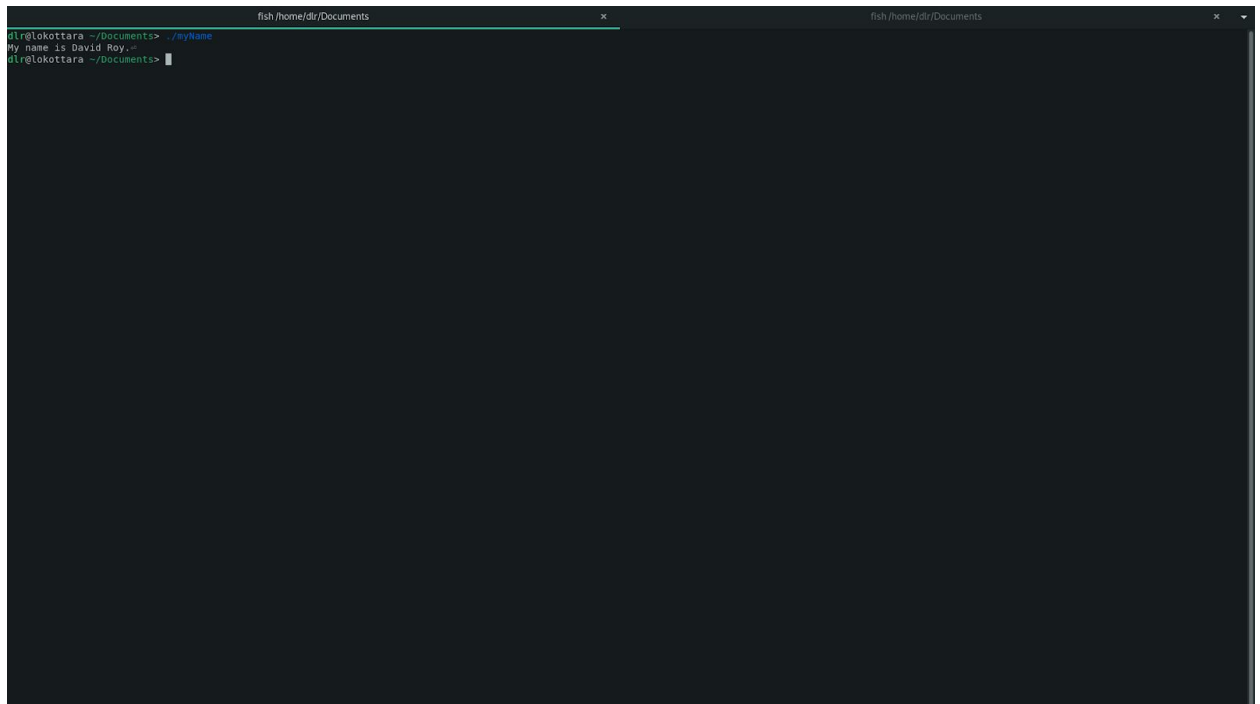
2. It creates an executable called 'hello' instead of 'a.out'

3.



```
fish /home/dlr/Documents x
dlr@lokottara ~/Documents> ./hello
hello, world
dlr@lokottara ~/Documents>
```

4.



```
fish /home/dlr/Documents x
dlr@lokottara ~/Documents> ./myName
My name is David Roy.
dlr@lokottara ~/Documents>
```

```
#include <stdio.h>
```

```
int main(void)
{
```

```
printf("My name is David Roy.");  
return 0;  
}
```