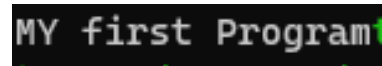

Experiment 3:

Code 1:

```
#include <unistd.h>

void main()
{
    write(1,"MY first Program",16);
}
```

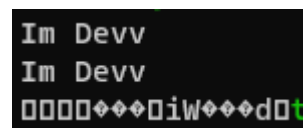
Output:

A terminal window showing the output of the first program. The text "MY first Program" is displayed in a monospaced font on a dark background.

Code 2:

```
#include <unistd.h>
void main()
{
    char arr[50];
    read(0,arr,50);
    write(1,arr,50);
}
```

Output:

A terminal window showing the output of the second program. The first two lines are "Im Devv". The third line shows a corrupted output, likely due to a buffer overflow, displaying "Im Devv" followed by a series of garbled characters.

Code:

```
#include <sys/types.h>
#include <sys/stat.h>
#include <fcntl.h>
#include <unistd.h>

void main()
{
```

```

    char arr1[45];
    int k1=open("f1.txt",O_RDONLY);
    read(k1,arr1,45);
    int k2 = open("f2.txt",O_CREAT | O_WRONLY,"0777");
    write(k2,arr1,45);
    close(k1);
    close(k2);
}

```

Output:

CONTENT COPEID F1 TO F2

Code:

```

#include <sys/types.h>
#include <sys/stat.h>
#include <fcntl.h>
#include <unistd.h>

void main()
{
    char arr1[45];
    int k1=open("f1.txt",O_RDONLY);
    int n = lseek(k1,11,SEEK_SET);
    read(k1,arr1,15);
    write(1,arr1,15);
    close(k1);
}

```

Output:

```

Before Fork
I am a Parent of p
Run common code
I am a Child of p
Run common code

```

Code:

```
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<sys/wait.h>
int main()
{
    pid_t p,q;
    printf("Before Fork\n");
    p=fork();
    if(p==0)
    {
        sleep(1);
        printf("I am a child p\n");
        printf("I am child having id %d\n",getpid());
        printf("My parent's id is %d\n",getppid());
    }
    else{
        wait(NULL);

        printf("I am a parent p\n");
        printf("My child's id is %d\n",p);
        printf("I am parent having id %d\n",getpid());
    }

    printf("Common\n");
}
```

Output:

```
Before Fork
I am a child p
I am child having id 254
My parent's id is 253
Common
I am a parent p
My child's id is 254
I am parent having id 253
Common
```

Code:

```
#include <stdio.h>
#include<sys/types.h>
#include<unistd.h>
#include<stdlib.h>
int main()
{
    printf(" enter before \n");
    execl("/bin/ps", "ps", NULL);
    printf("after \n");
}
```

Output:

```
enter before
  PID TTY          TIME CMD
    9 pts/0        00:00:00 bash
   267 pts/0        00:00:00 ps
```