

## EXPERIMENT-08

QUES 1: Write a program to create orphan process.

```
localhost:~# nano orphan.c
```

```
GNU nano 4.9.3
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
int main()
{
    pid_t p;
    p=fork();
    if(p==0)
    {
        sleep(5);
        printf("I am chlid having pid %d\n",getpid());
        printf("My parent pid is %d\n",getpid());
    }
    else
    {
        printf("I am parent having pid %d\n", getpid());
        printf("My child is %d\n",p);
    }
}
```

```
localhost:~# gcc -o orphan orphan.c
localhost:~# ./orphan
I am parent having pid 87
My child is 88
```

QUES 2: Write a program to create zombie process

```
localhost:~# nano zombie.c
```

```
GNU nano 4.9.3
#include <stdio.h>
#include <unistd.h>
int main()
{
    pid_t p;
    p=fork();
    if(p==0)
    {
        printf("Child having id %d\n",getpid());
    }
    else
    {
        printf("Parent having id %d\n",getpid());
        sleep(15);
    }
}
```

```
localhost:~# gcc -o zombie zombie.c
localhost:~# ./zombie
Parent having id 97
Child having id 98
```