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
```