## **EXPERIMENT N0-3**

<u>Aim:</u> Create a child process in Linux using the fork system call. From the child process obtain the process ID of both child and parent by using getpid and getppid system call. Explore wait, getpid, getuid, getgid getegid, geteuid and waitpid before termination of process.

## code:

```
#include<stdio.h>
#include<unistd.h>
void main()
{
      int pid,ppid,cpid;
      pid=fork();
      if(pid<0){
            printf("ERROR\n");
      else if (pid>0)
      {
            printf("parent process id=%d\n",getppid());
            printf("process id=%d\n",getpid());
            printf("child id=%d\n",pid);
      }
      else{
            printf("IN CHILD PROCESS\n");
            printf("parent id=%d\n",getppid());
            printf("process id=%d\n",getpid());
            printf("child id=%d\n",pid);
            for(int i=1; i <=5; i++)
```

```
for(int j=1;j<=i;j++)

{
     printf("*");
}
printf("\n");
}</pre>
```

## output:

