**Week No. 01**

**Task No. 01 Progress**

**Code:**

#include<unistd.h>

#include<sys/types.h>

#include<stdio.h>

int main()

{

pid\_t NUM\_CHILD;

printf("before applying fork\n");

NUM\_CHILD=fork();

if(NUM\_CHILD==0)

{

printf("Yeah, I am child and I exist with ID: %d\n",getpid());

printf("And my Parent ID is: %d\n",getppid());

}

else if(NUM\_CHILD<0)

{

printf("Error Generating the Child Process");

}

else

{

printf("Hi, I am Parent Process, my ID is: %d\n",getppid());

printf("Have a look on my child with ID: %d\n",NUM\_CHILD);

}

return 0;

}

**Results:**

Text

Description automatically generatedRunning the code for the first time gives the following output:

Text

Description automatically generatedRunning the code for the second time gives the following output: