

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();

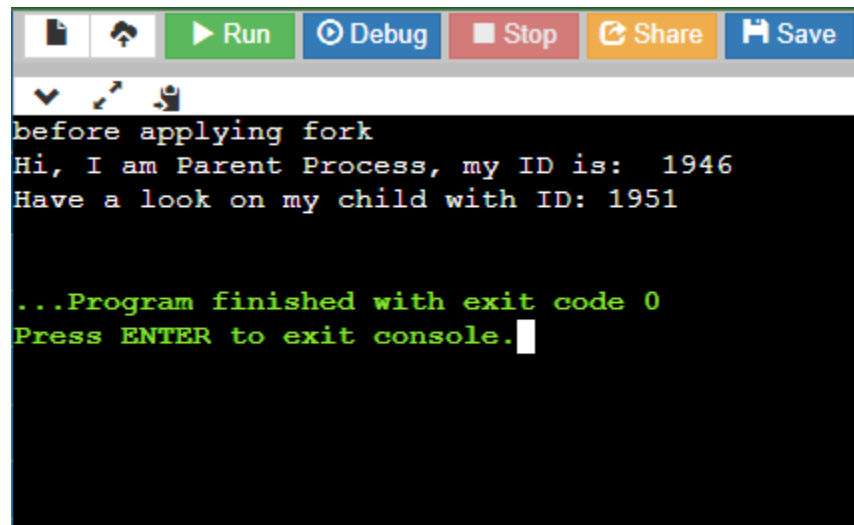
    if(NUM_CHILD==0)
    {
        printf("Yeah, I am child and I exist with ID: %d\n",getpid());
        printf("And my Parent ID is: %d\n",getppid());

    }
    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;  
  
}
```

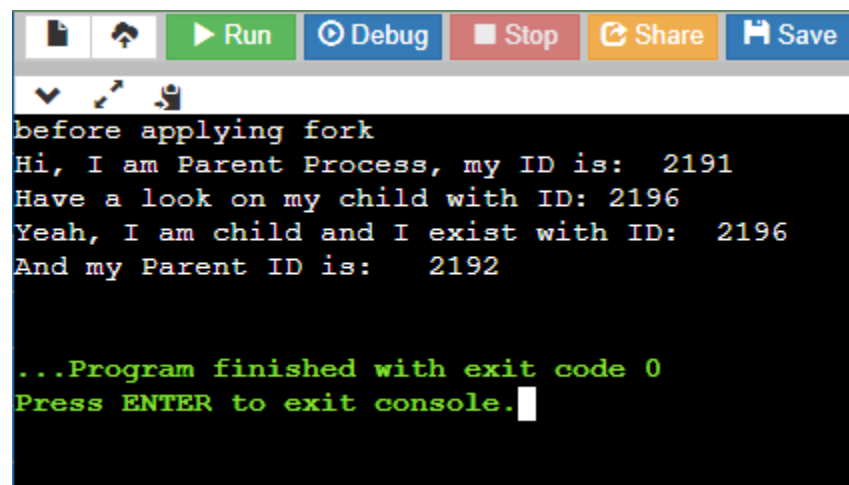
Results:

Running the code for the first time gives the following output:



```
before applying fork  
Hi, I am Parent Process, my ID is: 1946  
Have a look on my child with ID: 1951  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

Running the code for the second time gives the following output:



```
before applying fork  
Hi, I am Parent Process, my ID is: 2191  
Have a look on my child with ID: 2196  
Yeah, I am child and I exist with ID: 2196  
And my Parent ID is: 2192  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```