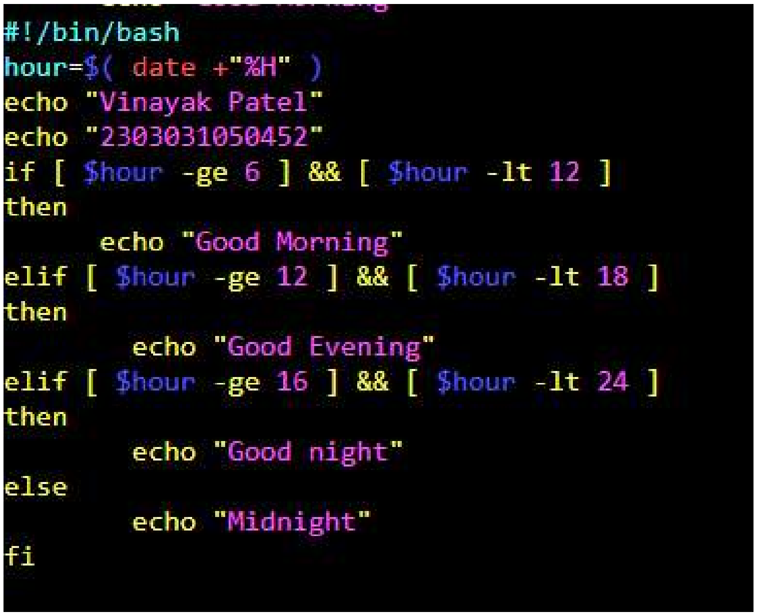
# PRACTICAL 6

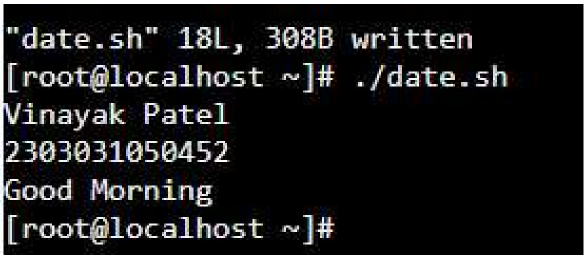
Aim: Write a Shell script to say Good morning /Afternoon/ Evening as you log in to system..

Steps 1. Create a file using a vi editor(or any other editor).

Name script file with extension .sh



```
#!/bin/bash
hour=$( date +"%H" )
echo "Vinayak Patel"
echo "2303031050452"
if [ $hour -ge 6 ] && [ $hour -lt 12 ]
then
      echo "Good Morning"
elif [ $hour -ge 12 ] && [ $hour -lt 18 ]
then
        echo "Good Evening"
elif [ $hour -ge 16 ] && [ $hour -lt 24 ]
then
        echo "Good night"
else
        echo "Midnight"
fi
```



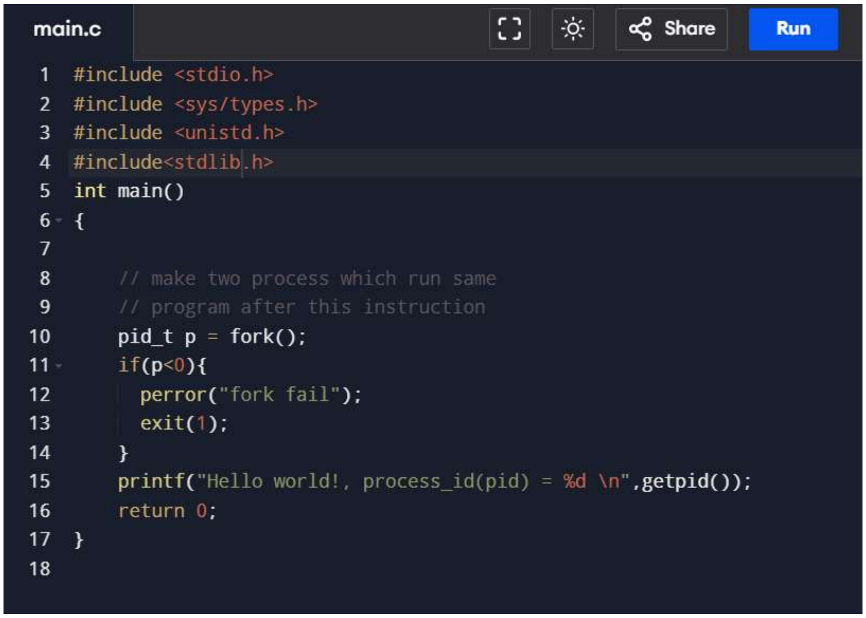
```
"date.sh" 18L, 308B written
[root@localhost ~]# ./date.sh
Vinayak Patel
2303031050452
Good Morning
[root@localhost ~]#
```

# PRACTICAL 7

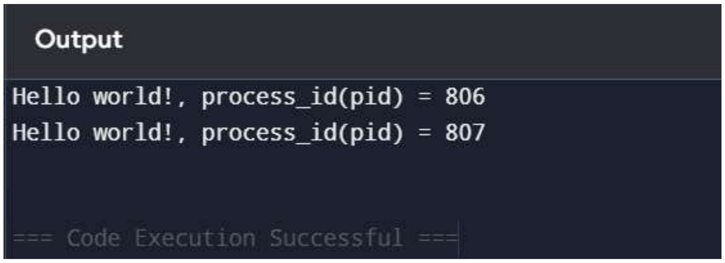
Aim: Write a C program to create a child process:

Example of fork in C

CODE :

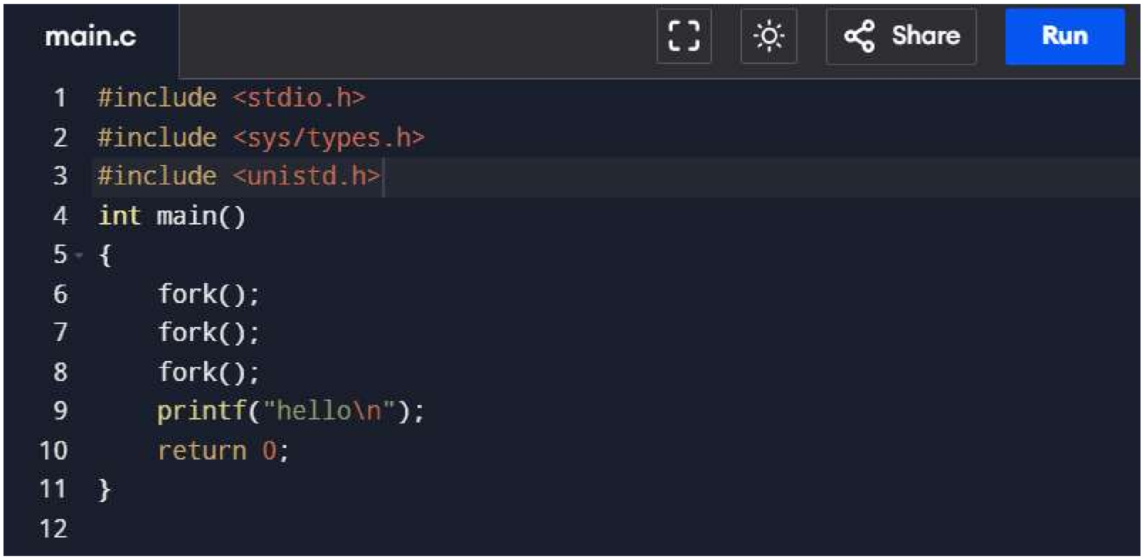


```c
#include <stdio.h>
#include <sys/types.h>
#include <unistd.h>
#include<stdlib.h>
int main()
{

    // make two process which run same
    // program after this instruction
    pid_t p = fork();
    if(p<0){
      perror("fork fail");
      exit(1);
    }
    printf("Hello world!, process_id(pid) = %d \n",getpid());
    return 0;
}

```

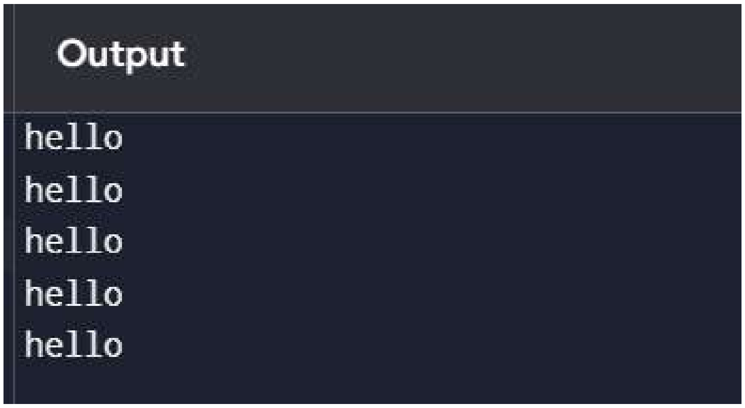


```
Hello world!, process_id(pid) = 806
Hello world!, process_id(pid) = 807


=== Code Execution Successful ===
```

2. CODE:



```c
#include <stdio.h>
#include <sys/types.h>
#include <unistd.h>
int main()
{
    fork();
    fork();
    fork();
    printf("hello\n");
    return 0;
}

```



```
hello
hello
hello
hello
hello
```