

/\*process creation & parent-child relation(fork system call)\*/

```
#include<stdio.h>
```

```
#include<unistd.h>
```

```
int main(){
```

```
int f_val=fork();
```

```
if(f_val==0){
```

```
printf("\nfrom child with pid:%d,ppid:%d,fork return value:%d\n",getpid(),getppid(),f_val);
```

```
}
```

```
else if(f_val>0){
```

```
printf("\nfrom parent with pid:%d,ppid:%d,fork return value:%d\n",getpid(),getppid(),f_val);
```

```
}
```

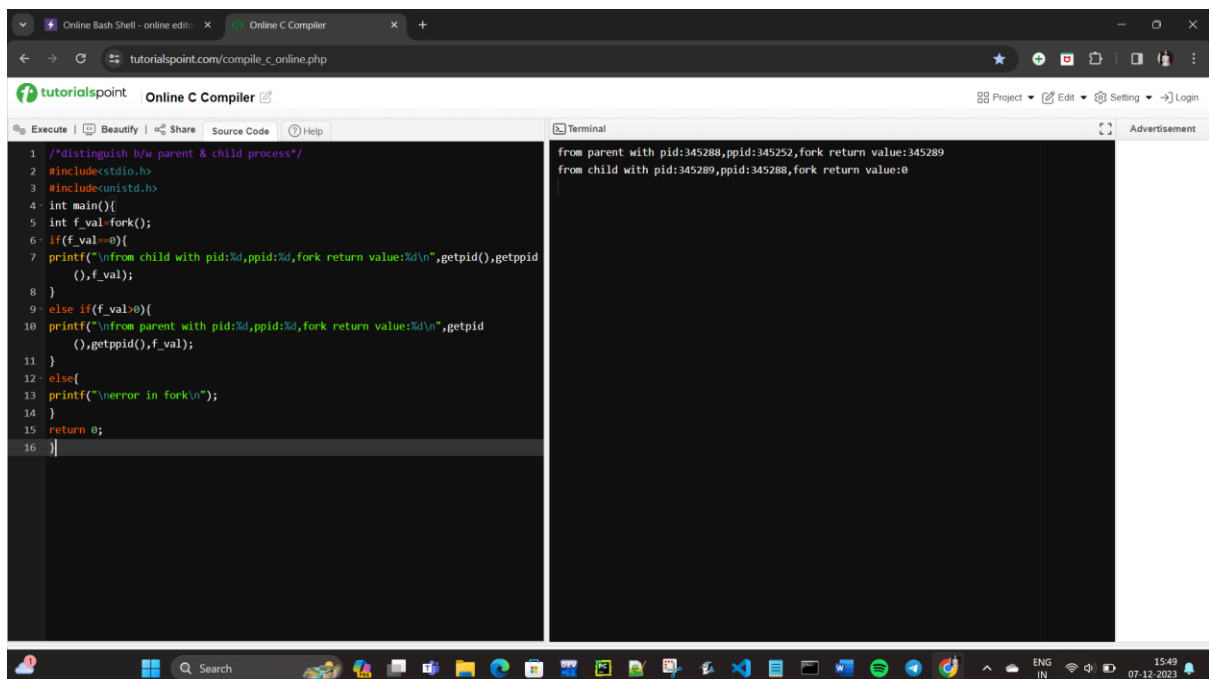
```
else{
```

```
printf("\nerror in fork\n");
```

```
}
```

```
return 0;
```

```
}
```



The screenshot shows a web browser window with the URL `tutorialspoint.com/compile_c_online.php`. The page title is "Online C Compiler". The code editor contains the following C program:

```
1 /*distinguish b/w parent & child process*/
2 #include<stdio.h>
3 #include<unistd.h>
4 int main(){
5     int f_val=fork();
6     if(f_val==0){
7         printf("\nfrom child with pid:%d,ppid:%d,fork return value:%d\n",getpid(),getppid(),f_val);
8     }
9     else if(f_val>0){
10        printf("\nfrom parent with pid:%d,ppid:%d,fork return value:%d\n",getpid(),getppid(),f_val);
11    }
12    else{
13        printf("\nerror in fork\n");
14    }
15    return 0;
16 }
```

The output window shows the following results:

```
from parent with pid:345288,ppid:345252,fork return value:345289
from child with pid:345289,ppid:345288,fork return value:0
```

The Windows taskbar is visible at the bottom of the screen, showing the time as 15:49 on 07-12-2023.