sit@sit-HP-Pavilion-Laptop-15-eh1xxx: ~

```
GNU nano 6.2                                                1086b.c *
#include <stdio.h>
int main() {
int n, i, flag = 0;
printf("Enter number : ");
scanf("%d", &n);
for(i=2; i < n; i++){
if(n%i==0) {
flag = 1;
break;
}
}
if (flag == 0) {
printf("Prime");
}
else {
printf("Not prime");
}
return 0;
}
```

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```
GNU nano 6.2                                        processscreation_1086.c *
#include <stdio.h>
#include <unistd.h>
#include <sys/wait.h>

int main() {
pid_t pid;
printf("Parent Process Started\n");
printf("Parent PID: %d\n", getpid());

pid = fork();

if(pid<0){
printf("Process creation failed\n");
}
else if(pid == 0) {
printf("\nChild PID: %d\n", getpid());
printf("Child PID: %d\n", getpid());
printf("Parent PID: %d\n", getpid());

execl("/bin/ls", "ls", "-1", NULL);
printf("Exec failed\n");
}
else {
wait(NULL);
printf("\nChild process completed\n");
printf("Parent process exiting\n");
}
return 0;
}
```

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```
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ nano 1086.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ gcc 1086.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ ./a.out
Enter value of a: 4
Enter value of b: 3
Addition is : 7Subtraction is : 1Multiplication is : 12Division is : 1sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ nano 1086a.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ gcc 1086a.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ ./a.out
Enter a number : 3
Factorial is : 6sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ nano 1086b.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ gcc 1086b.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ ./a.out
Enter number : 6
Not primesit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ nano 1086c.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ gcc 1086c.c
1086c.c: In function 'main':
1086c.c:4:1: warning: implicit declaration of function 'preintf'; did you mean 'printf'? [-Wimplicit-function-declaration]
    4 | preintf("Enter number: ");
      | ^~~~~~~
      | printf
/usr/bin/ld: /tmp/ccPCDBl8.o: in function `main':
1086c.c:(.text+0x32): undefined reference to `preintf'
collect2: error: ld returned 1 exit status
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ nano 1086c.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ gcc 1086c.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ ./a.out
Enter number: 789
Reversed = 987sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$
```

```
  GNU nano 6.2                                                    1086c.c *
#include <stdio.h>
int main() {
int n, rev = 0, rem;
printf("Enter number: ");
scanf("%d", &n);
while(n!=0) {
rem = n%10;
rev = rev*10+rem;
n = n/10;
}
printf("Reversed = %d", rev);
return 0;
}
```

```
  GNU nano 6.2                                                    1086a.c *
#include <stdio.h>
int main() {
int n, i;
int fact = 1;
printf("Enter a number : ");
scanf("%d", &n);

for(int i = 1; i <= n; i++) {
fact = fact*i;
}
printf("Factorial is : %d", fact);
return 0;
}
```

```
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ nano processcreation_1086.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ gcc processcreation_1086.c
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$ ./a.out
Parent Process Started
Parent PID: 2741

Child PID: 2742
Child PID: 2742
Parent PID: 2742
1086a.c
1086b.c
1086.c
1086c.c
1086_os
a.out
Desktop
Documents
Downloads
Music
panu
parinita_1086_os
Pictures
processcreation_1086.c
Public
snap
Templates
Videos

Child process completed
Parent process exiting
sit@sit-HP-Pavilion-Laptop-15-eh1xxx:~$
```

```
  GNU nano 6.2                                                    1086.c
#include <stdio.h>
int main() {
int a, b, add, sub, mul, div;
printf("Enter value of a: ");
scanf("%d", &a);
printf("Enter value of b: ");
scanf("%d", &b);
add = a+b;
sub = a-b;
mul = a*b;
div = a/b;

printf("Addition is : %d", add);
printf("Subtraction is : %d", sub);
printf("Multiplication is : %d", mul);
printf("Division is : %d", div);
return 0;
}
```