CODE:

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#include <stdlib.h>
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
int main(){
int val1;
int val2;
printf("Enter First Number: ");
scanf("%d", &val1);
printf("Enter Second Number: ");
scanf("%d", &val2);
pid_t C_a,C_b,C_a1,C_b1;
printf("\n Parent Process with ID %d \n",getpid());
printf("First number: %d\n",val1);
printf("Second number: %d\n",val2);
C a=fork();
if (C a == 0 ) {
printf("\nChild C1 with PID %d and Parent ID is %d\n",getpid(),getppid());
int c = val1+val2;
printf("Add: %d\n",c);
C al=fork();
if (C_a1 == 0 ) {
printf("\nChild C11 with PID %d and Parent ID is %d\n",getpid(),getppid());
int e = val1*val2;
printf("Multiply: %d\n",e);
} }
else{
C b = fork();
if (C_b == 0) {
printf("\nChild C2 with ID %d and Parent ID is %d\n",getpid(),getppid());
int d = val1-val2;
printf("Subtract: %d\n",d);
C b1=fork();
if (C b1 == 0) {
```

```
printf("\nChild C21 with PID %d and Parent ID is %d\n",getpid(),getppid());
int f = val1/val2;
printf("Divide: %d\n",f);
}
else{
sleep(1);
}
}
```

OUTPUT:

