**11.** Write a C program to create 4 child processes. In the first child process, print the odd numbers. In the second child process print the even numbers. In the third child process print the multiple of 3. In the fourth child process print the multiples of 5. Print the process id for each of the processes.

Program:

#include <stdio.h>

#include <unistd.h> #include <stdlib.h>

int main() { int i, pid; for(i=1; i<=4; i++) { pid = fork(); if(pid == 0) { switch(i) { case 1:

printf("Child %d (PID=%d): ", i, getpid());

for(int j=1; j<=10; j++) {

if(j%2 == 1) printf("%d ", j);

}

printf("\n"); break; case 2:

printf("Child %d (PID=%d): ", i, getpid());

for(int j=1; j<=10; j++) {

if(j%2 == 0) printf("%d ", j);

} printf("\n"); break; case 3:

printf("Child %d (PID=%d): ", i, getpid());

for(int j=1; j<=10; j++) { if(j%3 == 0) printf("%d ", j); } printf("\n"); break; case 4:

printf("Child %d (PID=%d): ", i, getpid());

for(int j=1; j<=10; j++) {

if(j%5 == 0) printf("%d ", j);

} printf("\n"); break;

} exit(0);

} } return 0; }