```c
void sig_usr(int);

int main(void)
{
  printf("PID = %d\n", getpid());

  if( signal(SIGUSR1, sig_usr) == SIG_ERR ){}

  for(;;) pause();
}

void sig_usr(int signo)
{
  if (signo == SIGUSR1)
    puts("received SIGUSR1.");
  else{}
}
```