Message Queues

Receive

```c
int main(int argc, char **argv)
{
  mqd_t queue;
  struct mq_attr attrs;
  char *msg_ptr;
  ssize_t recvd;
  size_t i;

  if (argc < 2){}

  queue = mq_open(argv[1], O_RDONLY | O_CREAT, S_IRUSR | S_IWUSR, NULL);
  if (queue == (mqd_t)-1){}

  if (mq_getattr(queue, &attrs) == -1){}

  msg_ptr = calloc(1, attrs.mq_msgsize);
  if (msg_ptr == NULL){}

  recvd = mq_receive(queue, msg_ptr, attrs.mq_msgsize, NULL);
  if (recvd == -1){}

  printf("Message: ");
  for (i = 0; i < (size_t)recvd; i++)
    putchar(msg_ptr[i]);
  puts("");
}
```