Server

Compiling the Server Code

```
vimal@LAPTOP-VA0T2L07 /cygdrive/D/College Resources/SEMESTER 6/CN/assgn
$ gcc B200709CS+B200717CS-Server.c -o server

vimal@LAPTOP-VA0T2L07 /cygdrive/D/College Resources/SEMESTER 6/CN/assgn
$
```

Running the Server Code

```
vimal@LAPTOP-VA0T2L07 /cygdrive/D/College Resources/SEMESTER 6/CN/assgn
$ ./server
Starting server...

Socket created...

Socket bind successful...

Receive thread started...

Process packet 1 thread started...

Process packet 2 thread started...

Print stats thread started...

Number of packets of type 1 received: 0
Number of packets of type 2 received: 0

Number of packets of type 1 received: 0
Number of packets of type 2 received: 0

Number of packets of type 1 received: 0
Number of packets of type 2 received: 0

Number of packets of type 1 received: 0
Number of packets of type 2 received: 0
```

Client

Compiling Client Code

```
vimal@LAPTOP-VA0T2L07 /cygdrive/D/College Resources/SEMESTER 6/CN/assgn
$ gcc B200709CS+B200717CS-Client.c

vimal@LAPTOP-VA0T2L07 /cygdrive/D/College Resources/SEMESTER 6/CN/assgn
$
```

Running Client Code

```
vimal@LAPTOP-VA0T2L07 /cygdrive/D/College Resources/SEMESTER 6/CN/assgn
$ ./client
Starting client

Socket created successfully

Packet 1 thread created successfully

Packet 2 thread created successfully
```

Output displayed in the Server

```
########################################################
########################################################
Type = 2  Seq No = 5
LXQTQAEYLBGBWNPDLGKJSXNRHBOTJHKAZMZWIWZACXLULAQSURLMAVXCPLVUMMRPBFTWBXERUBILLDHNGTUSL
RPTECYBWMOVKEZQMYKHPIKNOYJZTOSQVGFYHLLWMFPOJAHUFCZWSEDWKMGSHYURMSARRMJSIPXIMGCPWZZHIS
YGEOBMZNXHQCYEOVBWHQEKUTUIKCDFQIOTKDNBHRNZEZSYGYWWMHUQCPIERUOVTYIDYNQXTXUJEBVTFLRIZOI
FVNFHDIMAAFIVHNHVLPLFGSRADLPRWLOQDDTYVCHKSZCDCFPYLZRSTNISHOQCSLSYKELFQIHQVVNDDCBPVCKH
CPMEUBSJEEPPJLMALUVCEBIYWUKJKSQXBBNCKPPZYVDIBOYODBMZUAPIJELHAMKDDLTLJSIDTCDXQRWPHRGBW
FYTTRXVQXUQXQIGGLHRDJYPGBZDYSSWGUAMZRTOYCXDXHDVYQLFPFAVABBFYPACLCFERHJHQGTRCFNJKZBHXK
MRIPUNDDNYFCIJWLFOYVSRLVZKYMGLWGOQLVLBGOUWKEOCQAZIPVTBICLINBVUMPIWQGNKNXCKHXHIUQRZDMH
BYGLHYLLZYBXVVQYJTRRFAOFDNJMUZSPVOKMVBZBUSBPHDZPMAYYTCBERBZWMEUBVVGWOTHXPPXMFJCAZFQLC
XUUFQLRSHJHOQERTMBSINYBMZYVVTMENFTRBXUJVZCHELJTZXRRMBJQPZWEJCPOITNXJEZQPLTRLNDHUXWYWU
DKJCSKGGEBIQSNATHARXCPNIDNSUUYGUPPKNMPQZBJZKSWCMNTMUFEEVRBFTBJCNUXFLLDQLQDACUDUENSDSY
JETMAVTZKVBMDTYPFYVFFMWKZNUJZZAXTPRGVBWLAMHWTKKFPUMMZCAQYAJEUZQXXPVBVPRSPANLEHPJUPGWR
YFIWHALBZVLAIZMUHCKQMDOJKBKPMSGAQSRGEWKXCYBLGQHODXQBZHNVDVLDSVLCRLUSWPXGIZOJFJTJADXRN
XXBG

########################################################
########################################################
Type = 1  Seq No = 6
YXZKKWWXAUFQADBNQIPEKYPPVGBHXNRSUHWYCJENVERDRLCHFWAJFIONZQTHVCNBYYCUHRCPLJKIFYKWBPOLL
UVMETPERUZXZQNAGNQFZLYUXCSPDCYWPJJSIKNPHKJCXXULZOQWXVPSZNSIYXQYGXPSHNLTCAMONCLLRBFXCM
VPXZQNUYDMLQZKDRECSBVTURTAGLJTNZFQLSJZZWYGRWSZNDDPQOKDKOAQNZYMTCRJPWGZCHTYWWOJVHLXGRY
BCRXRMTSAZQJOVZXGUDJYGEIBRJSHXCYQTGHDUEZLAFHZMTGTMMZGRFRUWPJIMPTSEMENYUJLJJTITOZVOVXS
COFKIGBSUREDJPBOZPZTQQLOKWGTJNCNCEELAZFYZDWAZRCAJLCHLAADWBBQSVVBMAPYCTASUSRINUNSXUWWN
QYBJVNDDGVBPSVYEGUKPGQIFNZCYUNYCPSQULCXDZLZPPQBMRPZBRHMDEWMEHGGYPPXIYQJGQJICCIGITLTOF
GPFTYDWDQLKYBDGZQVQRZVXARNVLRVOPKMFRNCSBREVYPCRKXRMSMKXYNPXNETXMHKADJWKJTLBRFDQGQIXGS
NIDAARLXRVQIHZHXVNOYDPKCRWTNEZYMBWTOWHQBAOFOXQRWCXBXGFJIRUKUURLTWLIXNTORDNJSSXFMUBIRG
ISGVMNJLGYCNJYORKKCJKGTDPYZXEAPWTSAQZIFXHRIZXBLDXTQRDSNOJLGTCDNQXXZAQWZTBGMXYCUVLSTQY
FPWLXTFFRJTTMAIYUTPTWOEAOOCLUSESMEXSMDFZQOLFDCTWOUXHEEIRCQVMBXJLVHPOPETWDKGITTRHYCVRI
OUFZDXXEJBABFIGTXXHQAYUVZKFUYZUFIKCFRYVOIOOWZPEUAQEKQATTDZSDFKIJIKAIRVCCCHRVLDOIBMXKD
SMCONTCGREIHSSZQCXZLVTIZKRZUUCROZKXBIWBTWXEWTFHTZVOLFYZMLZSGHZLNUQRKUPKQCLUKKWNXTZSTB
ZOBQ

########################################################
Number of packets of type 1 received: 4
Number of packets of type 2 received: 3

########################################################
Type = 2  Seq No = 8
YXZKKWWXAUFQADBNQIPEKYPPVGBHXNRSUHWYCJENVERDRLCHFWAJFIONZQTHVCNBYYCUHRCPLJKIFYKWBPOLL
UVMETPERUZXZQNAGNQFZLYUXCSPDCYWPJJSIKNPHKJCXXULZOQWXVPSZNSIYXQYGXPSHNLTCAMONCLLRBFXCM
VPXZQNUYDMLQZKDRECSBVTURTAGLJTNZFQLSJZZWYGRWSZNDDPQOKDKOAQNZYMTCRJPWGZCHTYWWOJVHLXGRY
BCRXRMTSAZQJOVZXGUDJYGEIBRJSHXCYQTGHDUEZLAFHZMTGTMMZGRFRUWPJIMPTSEMENYUJLJJTITOZVOVXS
COFKIGBSUREDJPBOZPZTQQLOKWGTJNCNCEELAZFYZDWAZRCAJLCHLAADWBBQSVVBMAPYCTASUSRINUNSXUWWN
QYBJVNDDGVBPSVYEGUKPGQIFNZCYUNYCPSQULCXDZLZPPQBMRPZBRHMDEWMEHGGYPPXIYQJGQJICCIGITLTOF
GPFTYDWDQLKYBDGZQVQRZVXARNVLRVOPKMFRNCSBREVYPCRKXRMSMKXYNPXNETXMHKADJWKJTLBRFDQGQIXGS
NIDAARLXRVQIHZHXVNOYDPKCRWTNEZYMBWTOWHQBAOFOXQRWCXBXGFJIRUKUURLTWLIXNTORDNJSSXFMUBIRG
ISGVMNJLGYCNJYORKKCJKGTDPYZXEAPWTSAQZIFXHRIZXBLDXTQRDSNOJLGTCDNQXXZAQWZTBGMXYCUVLSTQY
FPWLXTFFRJTTMAIYUTPTWOEAOOCLUSESMEXSMDFZQOLFDCTWOUXHEEIRCQVMBXJLVHPOPETWDKGITTRHYCVRI
```