Lab Ex.3 - (Client / Server communication using Socket Functions) Experiment

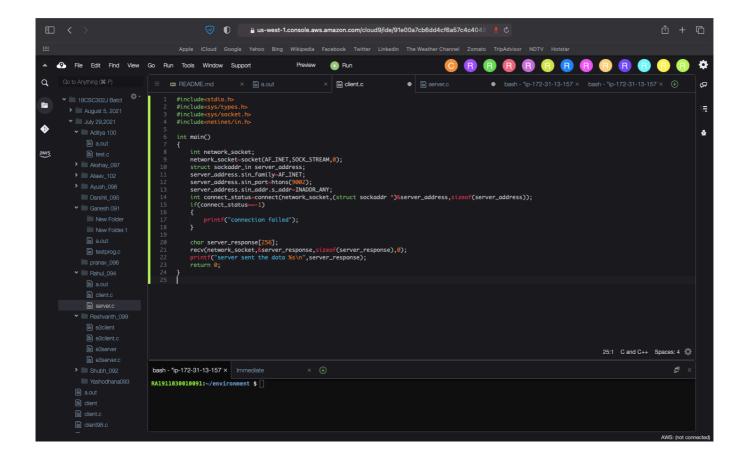
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SERVER CODE:

```
#include<stdio.h>
#include<sys/types.h>
#include<sys/socket.h>
#include<netinet/in.h>
int main()
{
  char serv_mess[256] = "You have reached the server";
  int server_socket;
  server_socket = socket(AF_INET,SOCK_STREAM,0);
  //Define The Server Address
  struct sockaddr_in server_address;
  server_address.sin_family=AF_INET;
  server_address.sin_port=htons(9002);
  server_address.sin_addr.s_addr=INADDR_ANY;
  //Bind the socket to our specified port and IP address
  bind(server_socket,(struct sockaddr*)&server_address,sizeof(server_address));
  listen(server_socket,5);
  int client socket;
```

```
client_socket=accept(server_socket,NULL,NULL);
//Send the message
send(client_socket,server_mess,sizeof(server_mess),0);
return 0;
}
```



CLIENT CODE:

```
#include<stdio.h>
#include<sys/types.h>
#include<sys/socket.h>
#include<netinet/in.h>
int main()
{
```

```
int network_socket;
  network_socket=socket(AF_INET,SOCK_STREAM,0);
  struct sockaddr_in server_address;
  server_address.sin_family=AF_INET;
  server_address.sin_port=htons(9002);
  server_address.sin_addr.s_addr=INADDR_ANY;
  int connect_status=connect(network_socket,(struct sockaddr
*)&server_address,sizeof(server_address));
  if(connect_status==-1)
  {
    printf("connection failed");
  }
  char server_response[256];
  recv(network_socket,&server_response,sizeof(server_response),0);
  printf("server sent the data %s\n",server_response);
  return 0;
}
```

