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Comp8505
Assignment1

This is the Pseudo code for Assignment1

```
main(){  
  
    take in variables, ports, hosts, server or client  
  
    if client  
    {  
        assign values to variables.  
    }  
    else{  
        assign values to variables.  
    }  
  
    run forgepacket function.  
}  
  
forgepacket(){  
  
    create structs, assign variables.  
  
    if client{  
  
        create random value for encoding  
        fill in IP header.  
        create checksum  
        fill in TCP header  
  
        read file  
        send character over raw socket  
    }  
    else{  
        receive data from client  
        decode using the ip identificaiton field  
        write to file  
    }  
}  
  
in_cksum{
```

```
        create checksum.
    }

host_convert{
    convert host
}

usage{
    printf's that show how to use.
}
```