

1. The following are the inputs taken by this function:
 - a. Source IP
 - b. Dest IP
 - c. Packet pointer
 - d. Size of the packet (datalen)
 - e. Fragment flag
 - f. Fragment offset
 - g. Option pointer
 - h. Options Size (optlen)
2. The function first allocates a space of size (IPHDR_SIZE + optlen + datalen)
3. The function sets the following values for the IP header:
 - a. Source address (saddr)
 - b. Dest address (daddr)
 - c. IP header length (ihl)
 - d. Version
 - e. Type of service (tos)
 - f. Total Length (tot_len)
 - g. ID: If fragmented, src_id or the pid of the process. If not fragmented, src_id or random
 - h. Fragment offset (frag_off) has a fragment flag and offset value.
 - i. Time to Live (ttl)
 - j. Protocol (raw_ip, tcp, udp, icmp)
 - k. Checksum (ip->check) Calculated by the kernel
4. It copies the options and the data in the allocated space.
5. The function calls the system call send_to to send the packet to the socket to send the data over the network connection.
6. Finally, after printing the error, if any, the function increases the variable src_id for the numbering of the fragments.