Step 1: START Step 2: Include necessary header files sup 3: Asign he required variables Step 4: open the files. fpi = fopen ("input trut ", "r"); IP2 = fopen ("output.talf", "w") Step 9: fear the content of inputfile Step 6: using while doop perform the loop until character is not equal to t Step 6.1- compare weather me character is equal to It. Sup 6.2 - of The is in then oper the Starting address, length & speed. Sup 6.3 - a) : onerwise, if me character 15 T, then store me string as fur three address in the output full with input [07, in put[1] for address input [2], input[3] for address H input [4] input [5] for add zeu+2 b: increment the address value

C: Dead the rent input string.

sup but a - otherwise in ite's not it or then perform ne following print statements in fp2 for outputfile

Input [o], input [17 for address In put [w], input[5] for address H impat[5] for address +2

b: increment mi address, value on in put string

Step 6-8 : to Repeat from Step 8.

sup 7: close files sup & . Display" finished"

1 Follow pulled for address

Program

```
#include <stdio.h>
#include <conio.h>
#include <string.h>
void main()
  char input[10];
  int start, length, address;
   FILE *fp1, *fp2;
   fp1 = fopen("input.dat", "r");
   fp2 = fopen("output.dat", "w");
  fscanf(fp1, "%s", input);
  while (strcmp(input, "E") != 0)
   _{
       if (strcmp(input, "H") == 0)
       -{
        fscanf(fp1, "%d", &start);
           fscanf(fp1, "%d", &length);
           fscanf(fp1, "%s", input);
       else if (strcmp(input, "T") == 0)
         fscanf(fp1, "%d", &address);
           fscanf(fp1, "%s", input);
           fprintf(fp2, "%d\t%c%c\n", address, input[0], input[1]);
           fprintf(fp2, "*d\t*c*c\n", (address + 1), input[2], input[3]);
          <u>fprintf(fp2, "%d\t%c%c\n", (address + 2), input[4], input[5]);</u>
           address += 3;
          fscanf(fp1, "%s", input);
       else
        \underline{fprintf(fp2, "$d\t$c$c\n", address, input[0], input[1]);}
           \underline{fprintf(fp2, "$d\t$c$c\n", (address + 1), input[2], input[3]);}
           fprintf(fp2, "%d\t%c%c\n", (address + 2), input[4], input[5]);
```

<u>Input</u>

```
input.dat ×

11 > input.dat

1  H 1000 232

2  T 1000 142033 483039 102036

3  T 2000 298300 230000 282030 302015

4  E
```

Output

