First, #include stdio.h?
and int main () 3 3 must be
written Then the computer
compiles it, and rewriter it
into 0's and 1's (bhay)
The a way the computer can understand # include < stdio.h> nd main () print f ("Enter weight! \n");
scanf ("% od" &a);
print f ("Enter age! \n");
scanf ("% od" &b);
print f ("Your weight is % and
your age is % od.", a,b); a = 001101110010100 b = 1000001001101000 ab=10110111111100 = B7FC ab=1011010111111100 = B5FC na=1100100001101011 = C86B

| | | | | | | | | C |
|----|----------------|---------------------------|----------------|---------------|--------|--------|--|----|
| 4 | a) b) c) | Second y < 0 Second | sent opti | ince | | | | |
| 5. | ìf { | ((ascii | 7 48 scii < | & asc 123) |) 25 | 4) 1 (| ascii > 9 | 6 |
| | | quintf(" | % c" | 050 |); | | | |
| 6 | | x70 x71 | | | | | | |
| 7. | b) a) | 8 64 2 | | b) | 4 9 14 | | 4*2 = 1 4*4 = 1 4*6 = 2 4*8 = 3 | 24 |
| | | -2 | | | | | | |

Start 9 9 Declare variables factorial, result Please enter a number [Input shed as factorial Tectorio! f factoria less than 13 and grater False Input coceptible

```
int main()
    /* Declare variables */
    int counter; /* loop counter */
    int product; /* result, 5^N */
    int endCount; /* power N */
    /* Read value of N */
    printf("This program will compute 5^N; enter N: ");
    scanf("%d", &endCount);
    /* Print the answer */
    /* Compute 5^N */
    product = 1;
    for (counter = 1; counter <= endCount; counter = counter + 1)</pre>
        product = 5*product;
    if (endCount > 13) {
        printf("The value exceeds the supported numerical range.");
    else if (endCount < 0) {
        printf("The operation is undefined for negative integers.");
    else {
        printf("%d\n", product);
    return 0;
```

```
int main()
   /* Initialization */
   int factorial; /* input to be entered by the user */
   int result; /* result, factorial! */
   while (1==1) {
       printf("Please enter a number: ");
       scanf("%d", &factorial);
       int i;
       /* Compute factorial */
       result = 1:
       for (i = factorial; i > 0; i = i-1) {
           result *= i:
       /* Print the answer */
       if (factorial < 13 & factorial > 0) {
           printf("%d\n", result);
        else {
           printf("The input is not acceptable, try again. \n");
```