

Test 1

1. Construct a C program that ask user to input car speed (miles/h), travel distance (miles), and display the time required to travel that distance (hour and minute). Put comments on each line of your code (6 marks).

Tips: assume time = distance/speed.

2. What is the use of comment in C program? (2 marks).
3. List one application of programming for: (a) medical doctors, and (b) economist. (2 marks).

Answer

1.

```
#include <stdio.h>

int main()
{
    float speed, distance, traveltime;
    printf("Enter speed = \n");
    scanf("%f\n", &speed);
    printf("Enter distance = \n");
    scanf("%f\n", &distance);

    traveltime = distance/speed;

    printf("Time is %.3f \n", traveltime);
    return 0;
}
```

2. The use of comment is to put description of a line of code or to describe the purpose of the code. It is the part of program that is not executed by the program.
3. (a) To analyse medical data, to save patient's information. (b) To carry out statistical analysis of the economy.

