# Practical 02

01).

#include <stdio.h>

#include <stdlib.h>

int main()

{

int age;

printf("HI,HOW OLD ARE YOU?");

scanf("%d",&age);

printf("\n\n");

printf("WELCOME\%d\n",age);

printf("LET'S BE FRIENDS!");

return 0;

}

02).

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("%5d%5d%5d\n",2,4,8);

printf("%5d%5d%5d\n",3,9,27);

printf("%5d%5d%5d\n",4,16,64);

printf("%5d%5d%5d\n",5,25,125);

return 0;

}

03).

#include <stdio.h>

#include <stdlib.h>

int main()

{

float distance,average;

int time;

printf("Enter the distance travelled");

scanf("%f",&distance);

printf("Enter the time taken");

scanf("%d",&time);

average=distance/time;

printf("The average speed is %.2fm/s",average);

return 0;

}

As most of the time average values contain decimals, int variable type is not suitable. Float variable type is more suitable for average values.

04).

#include <stdio.h>

#include <stdlib.h>

int main()

{

float fahren,celcius;

printf("Enter the temperature reading in degrees Fahrenheit");

scanf("%f",&fahren);

celcius=(5.0/9.0)\*(fahren-32.0);

printf("The Celcius value is %.2f",celcius);

return 0;

}

TESTING RESULTS

68

Enter the temperature reading in degrees Fahrenheit 68

The Celcius value is 20.00

Process returned 0 (0x0) execution time : 18.541 s

Press any key to continue.

150

Enter the temperature reading in degrees Fahrenheit 150

The Celcius value is 65.56

Process returned 0 (0x0) execution time : 34.206 s

Press any key to continue.

212

Enter the temperature reading in degrees Fahrenheit 212

The Celcius value is 100.00

Process returned 0 (0x0) execution time : 14.925 s

Press any key to continue.

0

Enter the temperature reading in degrees Fahrenheit 0

The Celcius value is -17.78

Process returned 0 (0x0) execution time : 4.705 s

Press any key to continue.

-22

Enter the temperature reading in degrees Fahrenheit -22

The Celcius value is -30.00

Process returned 0 (0x0) execution time : 10.612 s

Press any key to continue.

-200

Enter the temperature reading in degrees Fahrenheit -200

The Celcius value is -128.89

Process returned 0 (0x0) execution time : 13.876 s

Press any key to continue.