# PRACTICAL - 2

**AmayaDangalla-30062**

```c
1. #include<stdio.h>
   int main()
   {
       int age ;

       printf("HI,HOW OLD ARE YOU?");
       scanf("%d",&age);
       printf("\n\n");
       printf("WELCOME (%d)\nLET'S BE FRIENDS!\n",age);



       return 0;
   }
```

```c
2. #include<stdio.h>
   int main()
   {
       printf("%10d%10d%10d\n",2,4,8);
       printf("%10d%10d%10d\n",3,9,27);
       printf("%10d%10d%10d\n",4,16,64);
       return 0 ;
   }
```

```c
3. #include <stdio.h>
   int main()
   {
       int Dist,Time,Avgspeed;;

       printf("Enter Distance Travelled:");
       scanf("%d",&Dist);

       printf("Enter the Time :");
       scanf("%d",&Time);

       Avgspeed = (Dist/Time);
       printf("Average Speed is %d ",Avgspeed);
       return 0;
   }
```

1 What would be the problem? Why?  How to fix the problem?

- When we input integer numbers to all the variables then we can get only integer value as a output. To solve this problem, we should use the Float data type then we can get decimals in the output. As I mentioned in below ,

```c
#include <stdio.h>
int main()
{
    int Dist;
    float Time,Avgspeed;

    printf("Enter Distance Travelled:");
    scanf("%d",&Dist);

    printf("Enter the Time :");
    scanf("%f",&Time);

    Avgspeed = (Dist/Time);
    printf("Average Speed is %f ",Avgspeed);
    return 0;
}
```

```c
4 . #include<stdio.h>
   int main()
   {
       float cel,fah;

       printf("Enter Temperature Fahrenheit degree :");
       scanf("%f",&fah);

       cel = (5.0/9.0)*(fah-32);

       printf("Temperature in Celsius is %f",cel);

       return 0;
   }
```