LAB-2-EVALUATION PROGRAMS

PROGRAM-1-CONVERSION OF TEMPERATURE FROM F TO C

```c
//                              TEMPERATURE CONVERSION FROM F TO C
#include <stdio.h>
void main()
{
 int f;
 int c;
 printf("Enter the temperature=");
 scanf("%d",&f);
 c=(f-32)*5/9;
 printf("Temperature in degree celcius=%d",c);
 return 0;
 }
```

OUTPUT:

```
Enter the temperature=5
Temperature in degree celcius=-15
Process returned 33 (0x21)   execution time : 1.878 s
Press any key to continue.
```

```
Enter the temperature=30
Temperature in degree celcius=-1
Process returned 32 (0x20)   execution time : 22.500 s
Press any key to continue.
```

```
Enter the temperature=45
Temperature in degree celcius=7
Process returned 31 (0x1F)   execution time : 3.908 s
Press any key to continue.
```

PROGRAM-2-DISTANCE BETWEEN TWO POINTS

```c
//                          DISTANCE BETWEEN TWO POINTS
#include<stdio.h>
#include<math.h>
int main()
{
int x1;
int x2;
int y1;
int y2;
float d=0.0;
printf("Enter four coordinates=");
scanf("%d %d %d %d",&x1,&x2,&y1,&y2);
d=sqrt(sqrt(pow((x2-x1),2))+pow((y2-y1),2));
printf("Distance=%f",d);
return 0;
}
```

OUTPUT:

```
Enter four coordinates=3 4 4 3
Distance=1.414214
Process returned 0 (0x0)   execution time : 3.643 s
Press any key to continue.
```

```
Enter four coordinates=12 1 4 5
Distance=3.464102
Process returned 0 (0x0)   execution time : 5.724 s
Press any key to continue.
```

```
Enter four coordinates=5 8 6 9
Distance=3.464102
Process returned 0 (0x0)   execution time : 9.601 s
Press any key to continue.
```