**ID:021202076**

**Labsheet-1**

**1.**

**a)**

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("Welcome to EEE");

return 0;

}

**b)**

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("Welcome\nto\nEEE");

return 0;

}

**c)**

After omitting semicolons:

||=== Build: Debug in Labsheet\_1\_1 (compiler: GNU GCC Compiler) ===|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c||In function 'main':|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c|6|error: expected ';' before 'return'|

||=== Build failed: 1 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===|

After omitting brackets:

||=== Build: Debug in Labsheet\_1\_1 (compiler: GNU GCC Compiler) ===|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c||In function 'main':|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c|6|warning: statement with no effect [-Wunused-value]|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c|6|error: expected ';' before string constant|

||=== Build failed: 1 error(s), 1 warning(s) (0 minute(s), 0 second(s)) ===|

After omitting inverted comma:

||=== Build: Debug in Labsheet\_1\_1 (compiler: GNU GCC Compiler) ===|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c||In function 'main':|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c|6|error: 'Welcome' undeclared (first use in this function)|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c|6|note: each undeclared identifier is reported only once for each function it appears in|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\Labsheet\_1\_1\main.c|6|error: expected ')' before 'to'|

||=== Build failed: 2 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===|

After correct them:

||=== Build file: "no target" in "no project" (compiler: unknown) ===|

||=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===|

**d)**

After replace **main** with **Main**. This message is showing:

||=== Build file: "no target" in "no project" (compiler: unknown) ===|

C:\Program Files\CodeBlocks\MinGW\bin\..\lib\gcc\x86\_64-w64-mingw32\8.1.0\..\..\..\..\x86\_64-w64-mingw32\lib\..\lib\libmingw32.a(lib64\_libmingw32\_a-crt0\_c.o):crt0\_c.c:(.text.startup+0x2e)||undefined reference to `WinMain'|

||error: ld returned 1 exit status|

||=== Build failed: 2 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===|

After replace **printf()** with **print()** . This message is showing:

||=== Build file: "no target" in "no project" (compiler: unknown) ===|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\labsheet\_1\_1\main.c||In function 'main':|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\labsheet\_1\_1\main.c|6|warning: implicit declaration of function 'print'; did you mean 'printf'? [-Wimplicit-function-declaration]|

H:\UIU\4th Trimester\EEE 2402\LabSheet\1\labsheet\_1\_1\main.o:main.c|| undefined reference to `print'|

||error: ld returned 1 exit status|

||=== Build failed: 2 error(s), 1 warning(s) (0 minute(s), 0 second(s)) ===|

**2.**

#include <stdio.h>

#include <stdlib.h>

int main()

{

float h,b, area;

printf("\tFind triangle Area\t\n");

printf ("\nPlease enter the base of a triangle: ");

scanf("%f", &b);

printf ("\nPlease enter the height of a triangle: ");

scanf("%f", &h);

area= (b\*h)/2;

printf("\n\nThe area of the triangle is= %.2f ",area);

return 0;

}

**3.**

#include <stdio.h>

#include <stdlib.h>

int main()

{ float r,area,perimeter;

const double PI = 3.1416;

printf("\tCalculate the area and perimeter of the circle\n");

printf("\nPlease enter the radius of the circle: ");

scanf("%f",&r);

area=PI\*r\*r;

perimeter=2\*PI\*r;

printf ("\nThe area is = %.2f and perimeter is = %.2f ", area, perimeter);

return 0;

}

**4.**

#include <stdio.h>

#include <stdlib.h>

int main()

{ int a,b, temp;

printf("\t Swaping two integers\n");

printf("\nPlease enter 1st value: ");

scanf ("%d",&a);

printf("\nPlease enter 2nd value: ");

scanf ("%d",&b);

b=temp;

b=a;

a=b;

printf("\nAfter swapping value of a=%d and b=%d", a,b);

return 0;

}

**5.**

#include <stdio.h>

#include <stdlib.h>

int main()

{

int a, b;

printf("Please enter 1st value: ");

scanf ("%d", &a);

printf("\nPlease enter 2nd value: ");

scanf("%d",&b);

a = a+b;

b= a-b;

a= a-b;

printf ("After swapping a = %d and b= %d", a,b);

return 0;

}