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**DEGREE PROGRAM ME : Management & Information Systems**



Q 01)

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int age;
    printf("HI,HO OLD ARE YOU?");
    scanf("%d",&age);
    printf("\n\n");
    printf("WELCOMEE (%d)\nLET'S B FRIEENDS!\n",age);

    return 0;
}
```

A screenshot of the Code::Blocks IDE interface. The main window displays a C program in 'main.c' with the following code:

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int age;
7     printf("HI,HO OLD ARE YOU?");
8     scanf("%d",&age);
9     printf("\n\n");
10    printf("WELCOMEE (%d)\nLET'S B FRIEENDS!\n",age);
11
12    return 0;
13 }
14
```

The 'Run' button is highlighted. A terminal window on the right shows the output:

```
C:\Users\3PCT\Desktop\C codes\practical2.1\bin\Debug\practical2.1.exe
HI,HO OLD ARE YOU?21
WELCOMEE (21)
LET'S B FRIEENDS!
Process returned 0 (0x0)   execution time : 2.749 s
Press any key to continue.
```

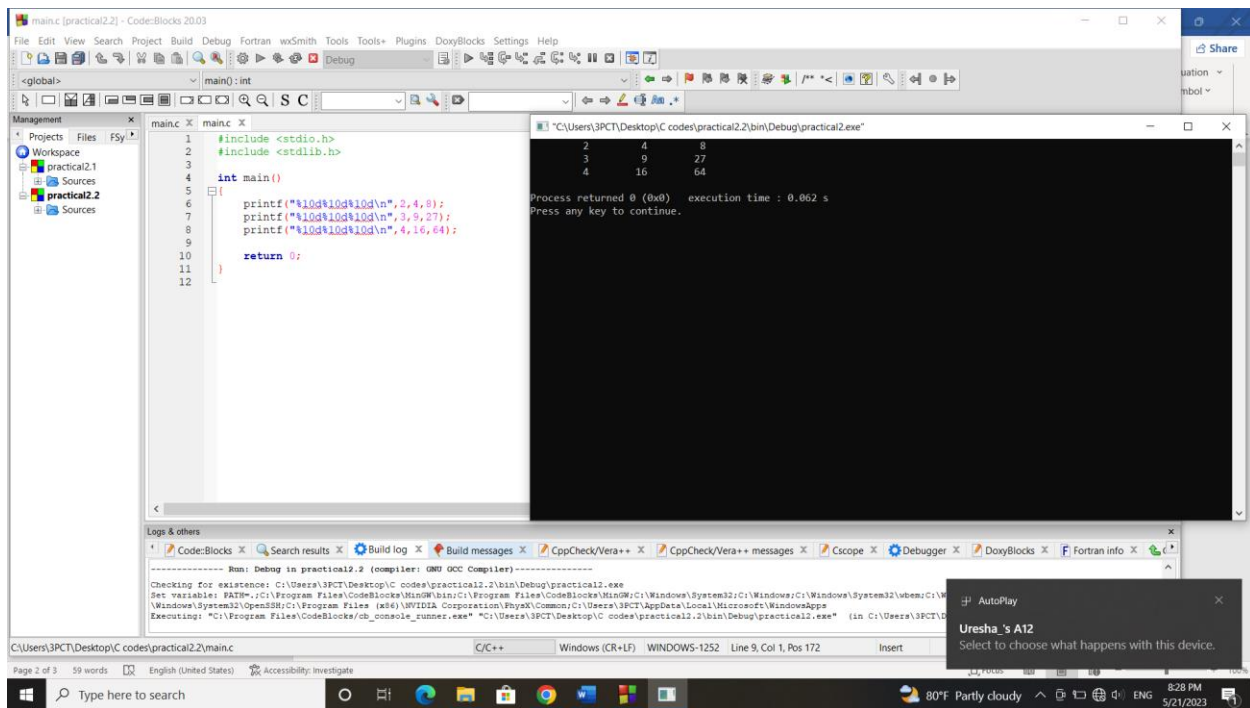
At the bottom, the 'Logs & others' panel shows the build process details, including the compiler (GNU GCC Compiler) and the execution command.

## Q 02)

```
#include <stdio.h>
#include <stdlib.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;
}
```



### Q 03]

```
#include <stdio.h>
```

```
#include <stdlib.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;
```

```
}
```

The screenshot displays the Code::Blocks IDE interface. The main editor window shows a C program for calculating average speed. The program includes `<stdio.h>` and `<stdlib.h>`, and defines a `main` function. Inside the function, it declares variables `dist`, `time`, and `avgspeed`. It prompts the user to enter distance and time, calculates the average speed using the formula `avgspeed = (dist / time)`, and prints the result. The program returns 0.

The console window on the right shows the program's execution. It prompts for distance and time, and displays the calculated average speed. The output is as follows:

```
enter distance travelled:2000
enter the time:4
average speed is 500
Process returned 0 (0x0)   execution time : 21.232 s
Press any key to continue.
```

The status bar at the bottom indicates the file path `C:\Users\3PCT\Desktop\C codes\practical2.3\main.c`, the language `C/C++`, and the window title `WINDOWS-1252`. The system tray shows the date and time as 8:01 PM on 5/21/2023.

#### Q 04)

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    float cel,fah;
    printf("enter temperature fahrenheit dgree:");
    scanf("%f",&fah);


    cel=(5.0/9.0)*(fah-32);
    printf("temerature in celsius is %f",cel);
    return 0;
}
```

```
"C:\Users\3PCT\Desktop\C codes\practical2.4\bin\Release\practical2.exe"
enter temperature fahrenheit dgree:68
temerature in celsius is 20.000000
Process returned 0 (0x0) execution time : 3.312 s
Press any key to continue.
```


```
"C:\Users\3PCT\Desktop\C codes\practical2.4\bin\Release\practical2.exe"
enter temperature fahrenheit dgree:150
temerature in celsius is 65.555557
Process returned 0 (0x0) execution time : 12.176 s
Press any key to continue.
```

```
"C:\Users\3PCT\Desktop\C codes\practical2.4\bin\Release\practical2.exe"
enter temperature fahrenheit dgree:212
temerature in celsius is 100.000000
Process returned 0 (0x0) execution time : 2.325 s
Press any key to continue.
```

```
"C:\Users\3PCT\Desktop\C codes\practical2.4\bin\Release\practical2.exe"
enter temperature fahrenheit dgree:0
temerature in celsius is -17.777779
Process returned 0 (0x0) execution time : 8.588 s
Press any key to continue.
```

 "C:\Users\3PCT\Desktop\C codes\practical2.4\bin\Release\practical2.exe"

```
enter temperature fahrenheit dgree:-22
temperature in celsius is -30.000000
Process returned 0 (0x0)   execution time : 2.546 s
Press any key to continue.
```

 "C:\Users\3PCT\Desktop\C codes\practical2.4\bin\Release\practical2.exe"

```
enter temperature fahrenheit dgree:-200
temperature in celsius is -128.888885
Process returned 0 (0x0)   execution time : 2.422 s
Press any key to continue.
```