

Question 1-

```
#include<stdio.h>

int main()

{

printf("my name is nitin\n");

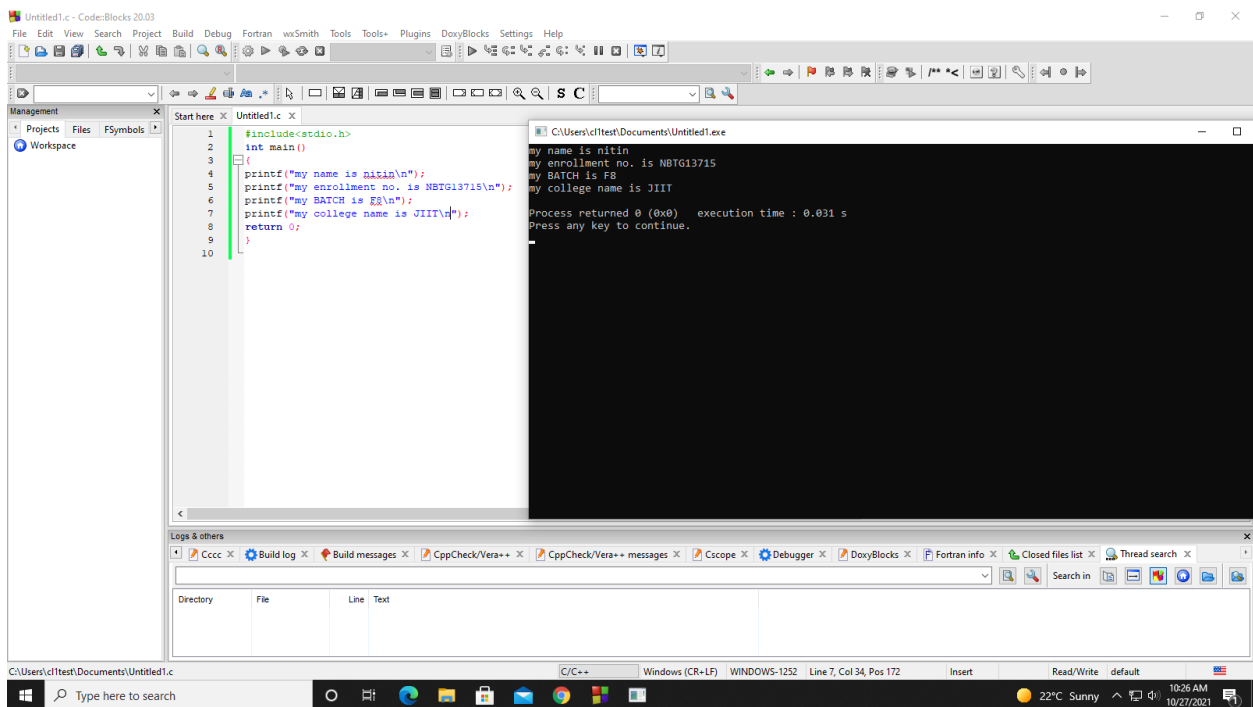
printf("my enrollment no. is NBTG13715\n");

printf("my BATCH is F8\n");

printf("my college name is JIIT\n");

return 0;

}
```



The screenshot shows the Code::Blocks IDE interface. The main editor window displays a C program with the following code:

```
1 #include<stdio.h>
2 int main()
3 {
4     printf("my name is nitin\n");
5     printf("my enrollment no. is NBTG13715\n");
6     printf("my BATCH is F8\n");
7     printf("my college name is JIIT\n");
8     return 0;
9 }
10
```

The output window, titled "C:\Users\clTest\Documents\Untitled1.exe", shows the execution results:

```
my name is nitin
my enrollment no. is NBTG13715
my BATCH is F8
my college name is JIIT

Process returned 0 (0x0)   execution time : 0.031 s
Press any key to continue.
```

The bottom status bar indicates the current file is "C:\Users\clTest\Documents\Untitled1.c", the compiler is "C/C++", and the window title is "Windows (CR+LF) - WINDOWS-1252". The system tray shows the date and time as "10:26 AM 10/27/2021".

Question2-

```
#include<stdio.h>

int main()

{
```

```

int a;

int b;

float c;

a=10;

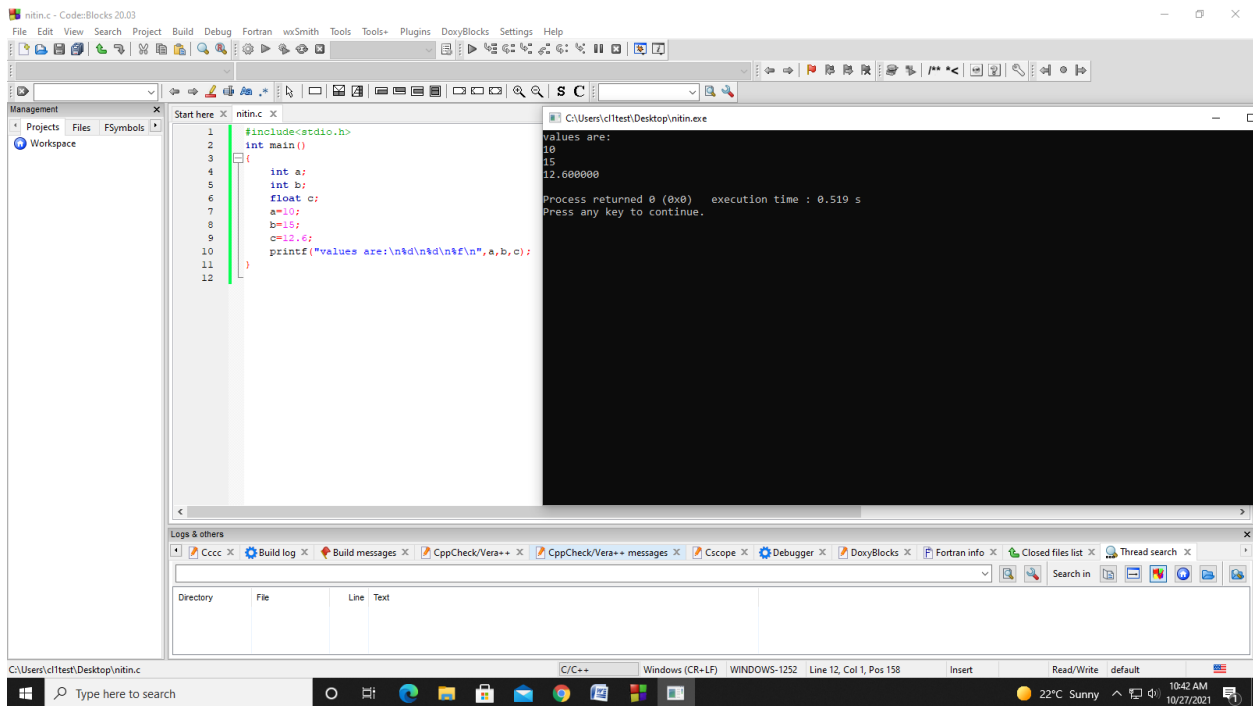
b=15;

c=12.6;

printf("values are:\n%d\n%d\n%f\n",a,b,c);

}

```



Question 3-

```

#include<stdio.h>

int a;//global variable

int main()

{

    a=12;

```

```

int b;//local variable

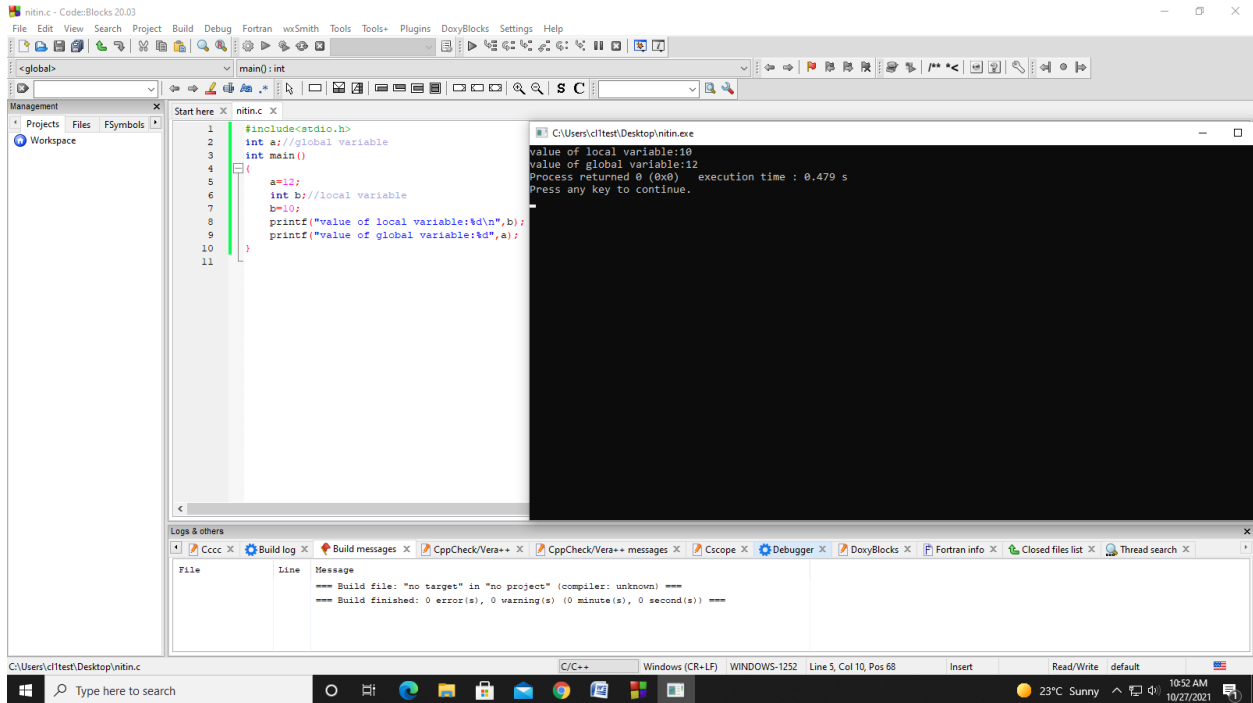
b=10;

printf("value of local variable:%d\n",b);

printf("value of global variable:%d",a);

}

```



Question 4-

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

```
int main()
```

```
{
```

```
    int a=4;
```

```
    float b=6.8;
```

```
    char c='n';
```

```
    double d=7.5;
```

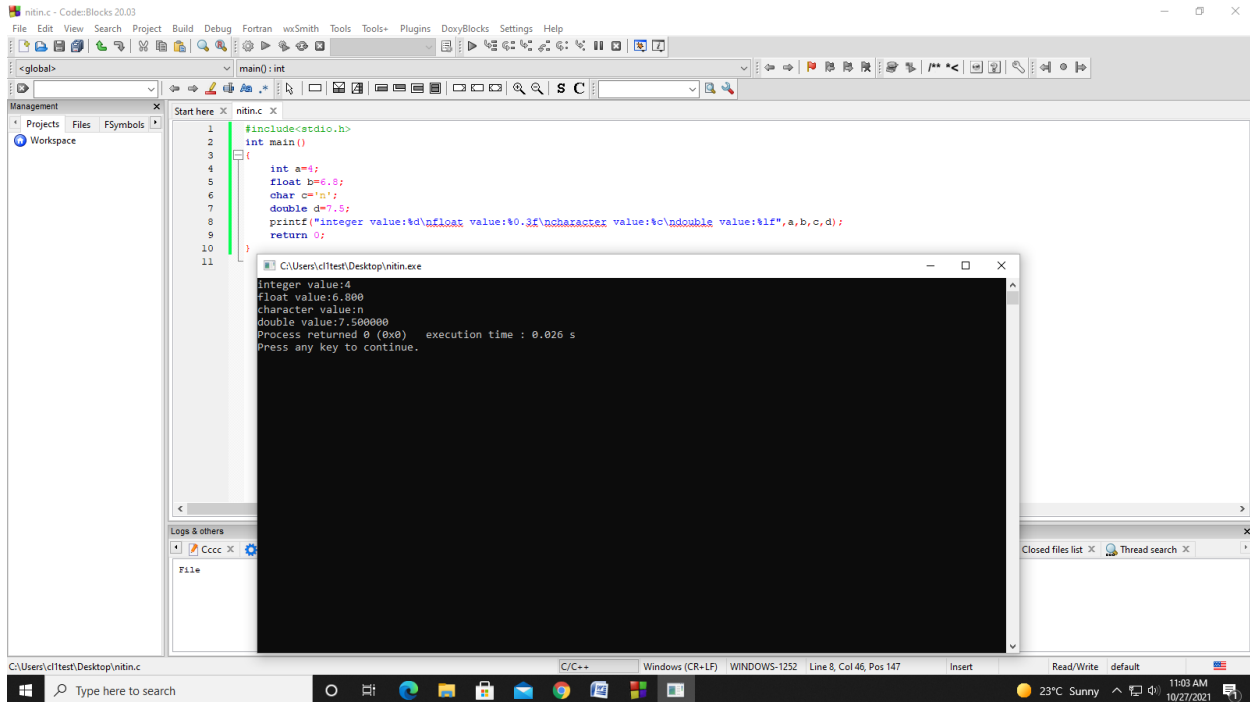
```

printf("integer value:%d\nfloat value:%0.3f\ncharacter value:%c\ndouble value:%lf",a,b,c,d);

return 0;

}

```



Question 5-

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

```
int main()
```

```
{
```

```
    int a,b;
```

```
    printf("enter first number:");
```

```
    scanf("%d",&a);
```

```
    printf("enter second number:");
```

```
    scanf("%d",&b);
```

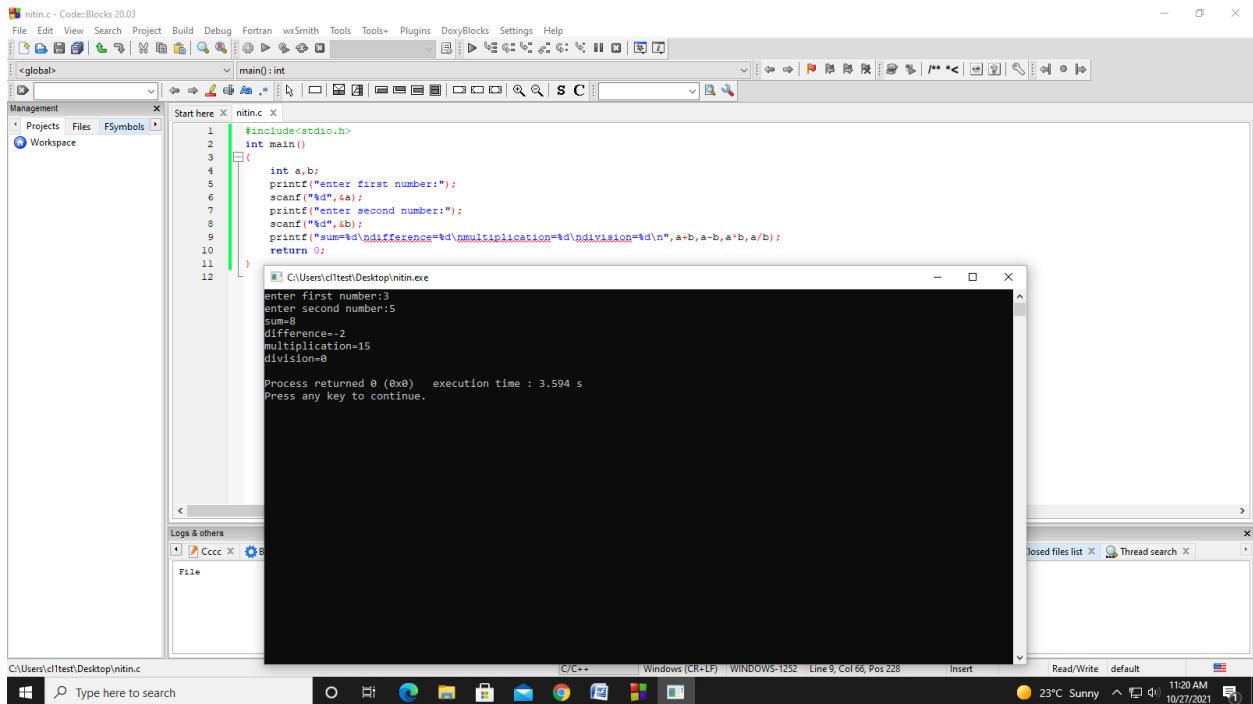
```
    printf("sum=%d\ndifference=%d\nmultiplication=%d\ndivision=%d\n",a+b,a-b,a*b,a/b);
```

```

return 0;

}

```



Question 6:

```

#include<stdio.h>

int main()
{
    float a,b,product;

    printf("enter first number:");

    scanf("%f",&a);

    printf("enter second number:");

    scanf("%f",&b);

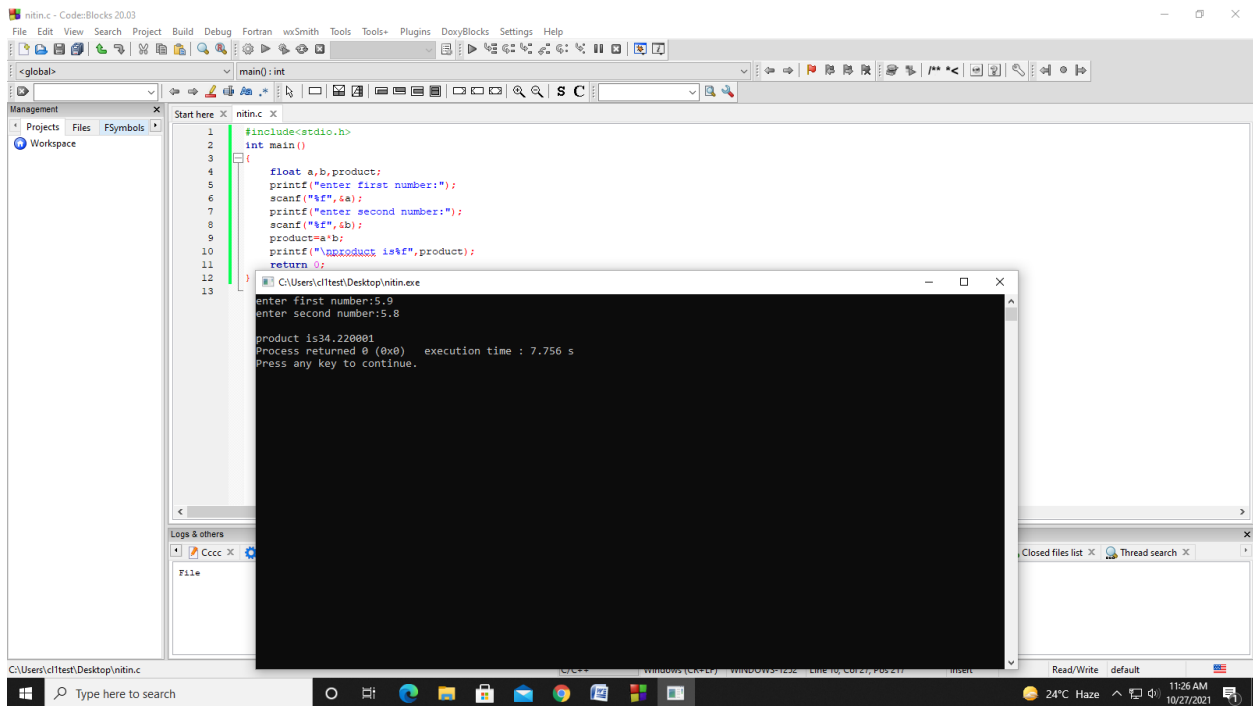
    product=a*b;

    printf("\nproduct is%f",product);

    return 0;
}

```

}



Question-7

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

```
int main()
```

```
{
```

```
float a;
```

```
printf("enter distance between two cities in Km:");
```

```
scanf("%f",&a);
```

```
printf("\ndistance in metres=%.1f",a*1000);
```

```
printf("\ndistance in feet=%.1f",a*3280.8);
```

```
printf("\ndistance in inches=%.1f",a*39370.1);
```

```
printf("\ndistance in centimetres=%.1f",a*100000);
```

```
return 0;
```

}

```
1 #include<stdio.h>
2 int main()
3 {
4     float a;
5     printf("enter distance between two cities in Km:");
6     scanf("%f",&a);
7     printf("\ndistance in metres=%.1f",a*1000);
8     printf("\ndistance in feet=%.1f",a*3280.8);
9     printf("\ndistance in inches=%.1f",a*39370.1);
10    printf("\ndistance in centimetres=%.1f",a*100000);
11    return 0;
12 }
13
```

enter distance between two cities in Km:5

distance in metres=5000.0
distance in feet=16404.0
distance in inches=196850.5
distance in centimetres=500000.0
Process returned 0 (0x0) execution time : 3.388 s
Press any key to continue.

Question 8-

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

```
int main()
```

```
{
```

```
    float a,b,c,d,e,agg_marks;
```

```
    printf("enter marks of first subject:");
```

```
    scanf("%f",&a);
```

```
    printf("\nenter marks of second subject:");
```

```
    scanf("%f",&b);
```

```
    printf("\nenter marks of third subject:");
```

```

scanf("%f",&c);

printf("\nenter marks of fourth subject:");

scanf("%f",&d);

printf("\nenter marks of fifth subject:");

scanf("%f",&e);

agg_marks=a+b+c+d+e;

printf("\naggregate marks=%.1f",agg_marks);

printf("\npercentage marks=%.1f",agg_marks/5);

return 0;

}

```

The screenshot shows the Code::Blocks IDE with a C program named 'nitin.c' open. The program calculates the aggregate and percentage marks for five subjects. The output window shows the following input and output:

```

Enter marks of first subject:97
Enter marks of second subject:95
Enter marks of third subject:94
Enter marks of fourth subject:95
Enter marks of fifth subject:91

Aggregate marks=472.0
Percentage marks=94.4
Process returned 0 (0x0)   execution time : 19.577 s
Press any key to continue.

```

Question-9

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

```
int main()
```



```

    {
        float a,b;

        printf("enter tmperature in fahrenheit degrees:");

        scanf("%f",&a);

        b=(a-32)*0.5556;

        printf("\ntmperature in centigrade degrees:%f",b);

        return 0;
    }
Q

```

```

1  #include<stdio.h>
2  int main()
3  {
4      float a,b;
5      printf("enter tmperature in fahrenheit degrees:");
6      scanf("%f",&a);
7      b=(a-32)*0.5556;
8      printf("\ntmperature in centigrade degrees:%f",b);
9      return 0;
10 }
11

```

Output:

```

enter tmperature in fahrenheit degrees:98
temperature in centigrade degrees:36.666681
Process returned 0 (0x0)   execution time : 5.420 s
Press any key to continue.

```

Question-10

```
#include<stdio.h>

int main()
{
    float a,b,r;

    printf("enter lenth of rectangle:");

    scanf("%f",&a);

    printf("enter breadth of rectangle:");

    scanf("%f",&b);

    printf("enter radius of circle");

    scanf("%f",&r);

    printf("\narea of rectangle:%f",a*b);

    printf("\nperimeter of rectangle:%f",(a+b)*2);

    printf("\narea of circle:%f",3.141*r*r);

    printf("\nperimeter of circle%f",2*3.141*r);

    return 0;
}
```

