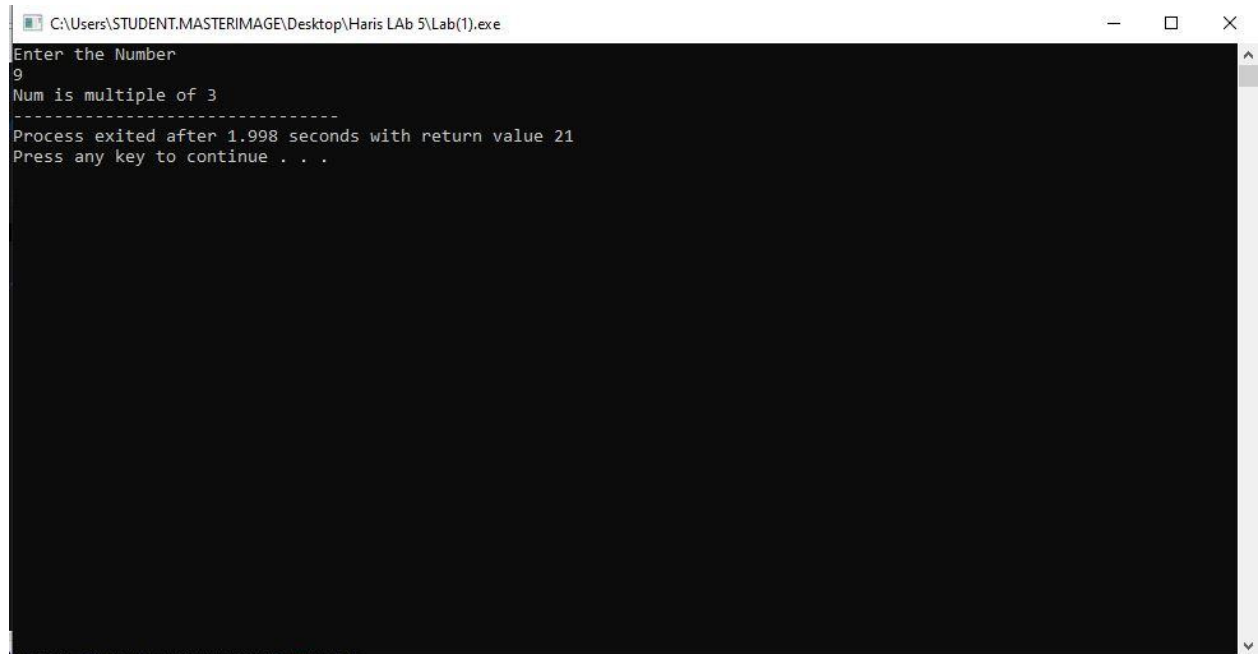


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QNO1

```
#include<stdio.h>
int main(){
    int a;
    printf("Enter the Number\n");
    scanf("%d",&a);
    if(a%3==0)
    {
        printf("Num is multiple of 3 ");
    }
    else
    {
        printf("Num is not multiple of 3");
    }
}
```



```
C:\Users\STUDENT.MASTERIMAGE\Desktop\Haris Lab 5\Lab(1).exe
Enter the Number
9
Num is multiple of 3
-----
Process exited after 1.998 seconds with return value 21
Press any key to continue . . .
```

QNO2

```
#include<stdio.h>
int main(){
    int a;
    printf("Enter Hour 1 to 24\n");
    scanf("%d",&a);
    if((a>=5)&&(a<=11))
    {
        printf("Good Morning");
    }
    else if((a>=12)&&(a<=18))
    {
        printf("Good Evening");
    }
    else if ((a>=18)&&(a<=24))
    {
        printf("Good Night");
    }
}
```

C:\Users\STUDENT.MASTERIMAGE\Desktop\Haris Lab 5\Lab5.exe

Enter Hour 1 to 24

19

Good Night

Process exited after 2.184 seconds with return value 10

Press any key to continue . . .

QNO3

```
#include<stdio.h>
int main ()
{
    char a;
    printf("Are you sure to delete\n");
    scanf("%c",&a);
    switch (a)
    {
        case 'Y' :
            printf("Deleted successfully");
            break;
        case 'y' :
            printf("Deleted successfully");
            break;
        case 'N' :
            printf("Delete cancelled");
            break;
        case 'n' :
            printf("Delete cancelled");
            break;
        default :
            printf("Wrong Choice");
    }
}
```

C:\Users\STUDENT.MASTERIMAGE\Desktop\Haris LAB 5\Untitled3.exe

```
Are you sure to delete
y
Deleted successfully
-----
Process exited after 1.685 seconds with return value 20
Press any key to continue . . .
```

QNO4

```
1  #include <stdio.h>
2
3  int main()
4  {
5      char operate;
6      double first_num, second_num, result;
7      printf("Enter an operator (+, -, *, /): ");
8      scanf("%c", &operate);
9      printf("Enter two operands: ");
10     scanf("%lf %lf", &first_num, &second_num);
11
12     switch (operate) {
13     case '+':
14         result = first_num + second_num;
15         printf("The Sum is %.1f", result);
16         break;
17     case '-':
18         result = first_num - second_num;
19         printf("The Subtraction is %.1f", result);
20         break;
21     case '*':
22         result = first_num * second_num;
23         printf("The Product is %.1f", result);
24         break;
25     case '/':
26         result = first_num / second_num;
27         printf("The Division is %.1f", result);
28         break;
29     default:
30         printf("Error! operator is not correct");
31     }
32
33     return 0;
34 }
```

C:\Users\khalidMalik\Desktop\Lab 5\Untitled1.exe

Enter an operator (+, -, *, /): /

Enter two operands: 8

2

The Division is 4.0

Process exited after 13.71 seconds with return value 0

Press any key to continue . . .

Q NO 5

```
C:\Users\khalidMalik\Desktop\Lab 5\Q5.exe
Enter Character
*
Special character
-----
Process exited after 4.948 seconds with return value 17
Press any key to continue . . .
```

Q5.c

```
1  #include<stdio.h>
2  int main ()
3  {
4      char ch;
5      printf("Enter Character\n");
6      scanf("%c",&ch);
7      if((ch>='A')&&(ch<='Z'))
8      {
9          printf("Capital Letter");
10     }
11     else if ((ch>='a')&&(ch<='z'))
12     {
13         printf("Small Letter");
14     }
15     else if((ch>=0)&&(ch<=9))
16     {
17         printf("Digit");
18     }
19     else
20     {
21         printf("Special character");
22     }
23 }
```

Q NO 6

C:\Users\khalidMalik\Desktop\Lab 5\bit on off.exe

Enter the Num at least 8 bit for better results

72

Bit are on

the num after turning of the bit is 183

Process exited after 3.736 seconds with return value 0

Press any key to continue . . .

```
1  #include<stdio.h>
2
3  int main()
4  {
5      int a,b,c,d=255;
6      printf("Enter the Num at least 8 bit for better results\n");
7      scanf("%d",&a);
8      b=a>>3;
9      c=a>>6;
10     if((b&1==1)&&(c&1==1))
11     {
12         printf("Bit are on\n");
13         a=a^d;
14         printf(" the num after turning of the bit is %d\n",a);
15     }
16     else
17     {
18         printf("The 7th and 4th bit are already off");
19         printf("\n");
20     }
21     return 0;
22 }
```

QNO 7

C:\Users\khalidMalik\Desktop\Lab 5\tempreture.exe

```
Do You Want to Convert Celsius to Fahrenheit??  
For this Enter F  
For Fahrenheit to Celsius Enter C  
F  
Enter Temperature  
50  
Temperature in Fahrenheit is 122.0  
-----  
Process exited after 6.598 seconds with return value 34  
Press any key to continue . . .
```

```
1 // (10Â°C - 9/5) + 32 = 50Â°F  
2 // (32Â°F - 32) - 5/9 = Â°C  
3 #include<stdio.h>  
4  
5 int main()  
6 {  
7     char ch;  
8     printf("Do You Want to Convert Celsius to Fahrenheit??\n For this Enter F\nFor Fahrenheit to Celsius Enter C\n");  
9     scanf("%c",&ch);  
10    if((ch=='F')||(ch=='f'))  
11    {  
12        float t,c;  
13        printf("Enter Temperature\n");  
14        scanf("%f",&t);  
15        c=(t*9/5);  
16        c=c+32;  
17        printf("Temperature in Fahrenheit is %.1f",c);  
18    }  
19    else if((ch=='C')||(ch=='c'))  
20    {  
21        float t,c;  
22        printf("Enter Temperature\n");  
23        scanf("%f",&t);  
24        c=(t-32);  
25        c=c/5;  
26        c=c*9;  
27        printf("Temperature in Celsius is %.1f",c);  
28    }  
29 }
```


QNO 8

C:\Users\khalidMalik\Desktop\Q 8 lab 5.exe

```
Enter the Intensity of Light 1 to 1000
400
it is Exposed under lighting
-----
Process exited after 5.341 seconds with return value 28
Press any key to continue . . .
```

Q 8 lab 5.c Q 10 Lab 5.c

```
1  #include<stdio.h>
2  int main (){
3  int light_sensor;
4  printf("Enter the Intensity of Light 1 to 1000\n");
5  scanf("%d",&light_sensor);
6  if ((light_sensor>=0)&&(light_sensor<=100))
7  {
8  printf("It is Evening");
9  }
10 else if ((light_sensor>=100)&&(light_sensor<=500))
11 {
12 printf("it is Exposed under lighting");
13 }
14 else if ((light_sensor>=500)&&(light_sensor<=1000))
15 {
16 printf("It is Exposed Under sunshine");
17 }
18 else
19 printf("Out of Range Danger");
20 int __cdecl printf (const char * __restrict__ _Format, ...)
```

QNO9

```
C:\Users\khalidMalik\Desktop\Lab 5\wolf_wolf.exe
Enter the Position Of Wolf A in X axes
5
Enter the Position Of Wolf B in X axes
4
Enter the Position Of Sheep in X axes
7
Wolf A Reaches First
-----
Process exited after 6.534 seconds with return value 20
Press any key to continue . . .
```

```
1  #include<stdio.h>
2
3  int main()
4  {
5      float a,b,c,d,e;
6      printf("Enter the Position Of Wolf A in X axes\n ");
7      scanf("%f",&a);
8
9      printf("Enter the Position Of Wolf B in X axes\n ");
10     scanf("%f",&b);
11     printf("Enter the Position Of Sheep in X axes\n ");
12     scanf("%f",&c);
13     e=c-b;
14     d=c-a;
15     if(d<e)
16     {
17         printf("Wolf A Reaches First");
18     }
19     else if(d>e)
20     {
21         printf("Wolf B Reaches First");
22     }
23     else if(d==e)
24     {
25         printf("Wolves distracted, Sheep escaped");
26         return 0;
27     }
28 }
```

QNO10

C:\Users\khalidMalik\Desktop\Q 10 Lab 5.exe

```
Enter The Num at least two digit
72
The First Number Equal to First Four Bits is 4
The Second Number Equal to last Four Bits is 1152
The First Num After Exchanging the bit is 1152
The Second Num After Exchanging the bit is 4

-----
Process exited after 3.351 seconds with return value 45
Press any key to continue . . .
```

Q 8 lab 5.c [*) Q 10 Lab 5.c

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c,d;
5      printf("Enter The Num at least two digit\n");
6      scanf("%d",&a);
7      b=a>>4;
8      c=a<<4;
9      printf("The First Number Equal to First Four Bits is %d\n",b);
10     printf("The Second Number Equal to last Four Bits is %d\n",c);
11     d=c;72
12
13     c=b;
14     b=d;
15     printf("The First Num After Exchanging the bit is %d\n",b);
16     printf("The Second Num After Exchanging the bit is %d\n",c);
17
18 }
```

