
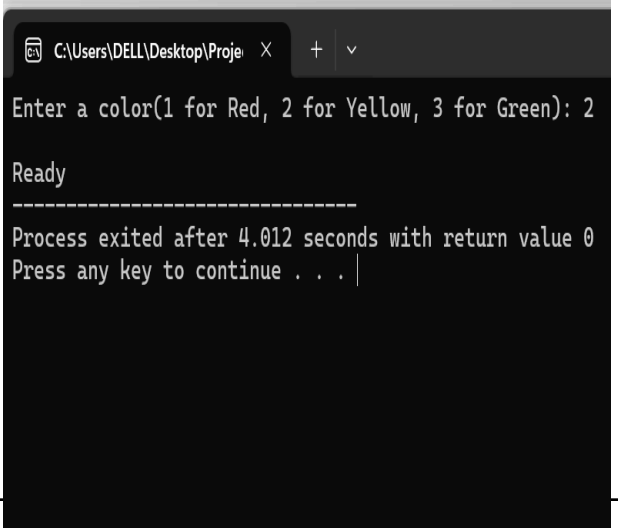


| Task# | Code:   | Output:   |
|-------|---|---|
| 04    | <pre> #include &lt;stdio.h&gt; int main() {     int marks;     printf("Enter your marks: ");     scanf("%d", &amp;marks);      if(marks&gt;=90) {         printf("A-Grade");     }      else if(marks&gt;=89 &amp;&amp; marks&lt;=80) {         printf("B-Grade");     }      else if(marks&gt;=70 &amp;&amp; marks&lt;=79) {         printf("C-Grade");     }      else if(marks&gt;=60 &amp;&amp; marks&lt;=69) {         printf("D-Grade");     }      else {         printf("F-Grade");     }      return 0; } </pre> |  <pre> C:\Users\DELL\Desktop\Proje X + v Enter your marks: 77 C-Grade ----- Process exited after 8.276 seconds with return value 0 Press any key to continue . . .   </pre>                                  |
| 05    | <pre> #include &lt;stdio.h&gt; int main() {     int traffic_light;     printf("Enter a color(1 for Red, 2 for Yellow, 3 for Green): ");     scanf("%d", &amp;traffic_light);      //Switch to determine color of traffic light     switch(traffic_light)     {         case 1:             printf("\nStop");             break; </pre>  |  <pre> C:\Users\DELL\Desktop\Proje X + v Enter a color(1 for Red, 2 for Yellow, 3 for Green): 2 Ready ----- Process exited after 4.012 seconds with return value 0 Press any key to continue . . .   </pre> |

```

case 2:
    printf("\nReady");
    break;

case 3:
    printf("\nGo");
    break;
}
return 0;
}

```

```

06 #include <stdio.h>
    int main()
    {
        double num1, num2;

        printf("Enter num1: ");
        scanf("%lf", &num1);

        printf("Enter num2: ");
        scanf("%lf", &num2);

        char operator;
        printf("Enter operator (+, -, *, /): ");
        scanf(" %c", &operator);

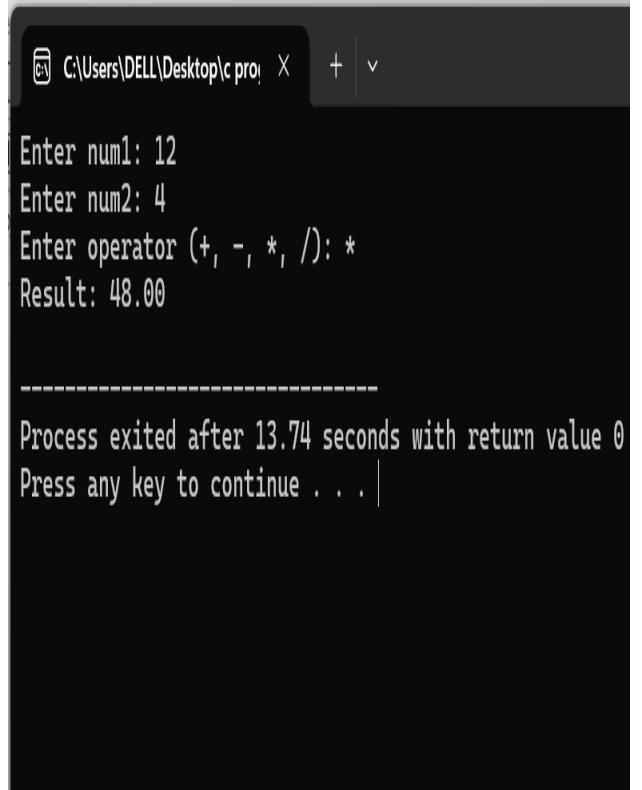
        //Switch to perform arithmetic operation
        switch(operator) {
            case '+':
                printf("Result: %.2lf\n", num1 + num2);
                break;

            case '-':
                printf("Result: %.2lf\n", num1 - num2);
                break;

            case '*':
                printf("Result: %.2lf\n", num1 * num2);
                break;

            case '/':
                if (num2 != 0) {
                    printf("Result: %.2lf\n", num1 / num2);
                }
                break;
        }
    }

```

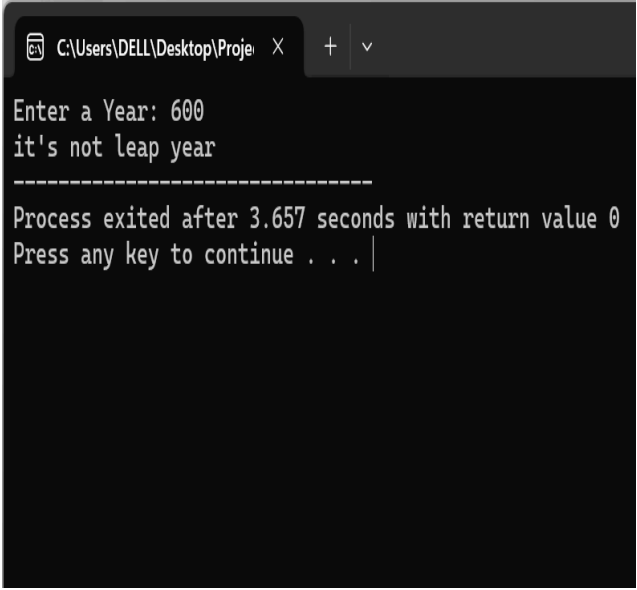
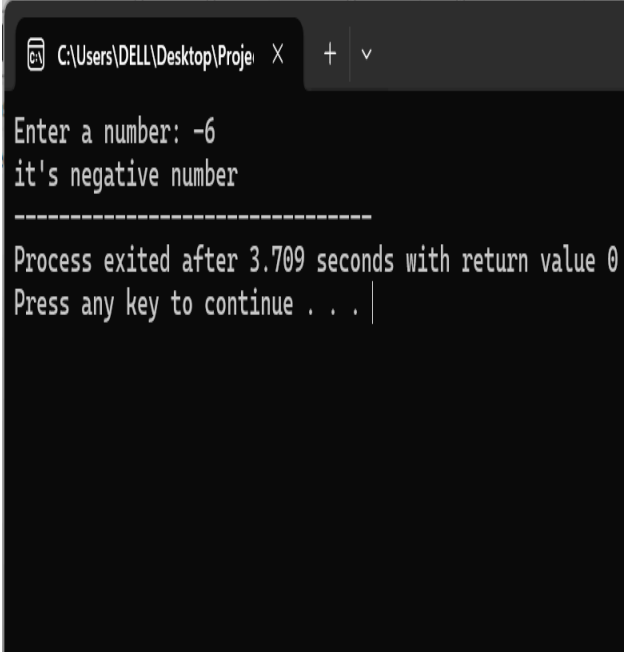


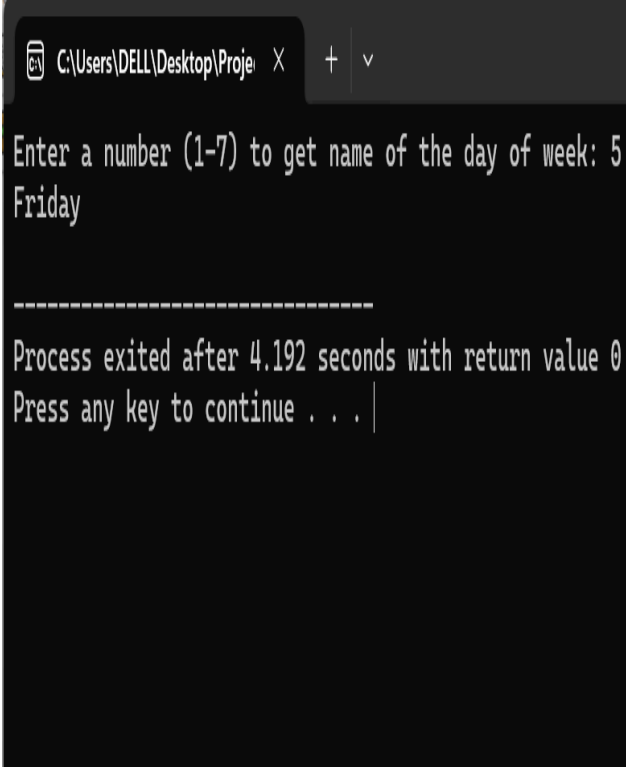
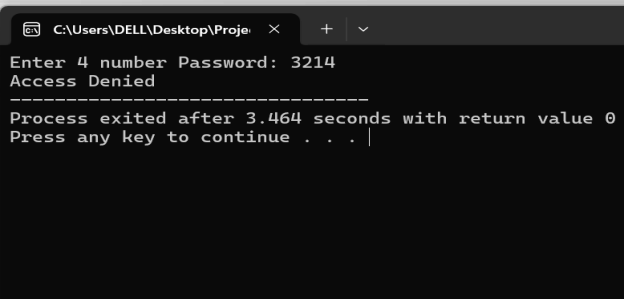
```

C:\Users\DELL\Desktop\c pro X + v
Enter num1: 12
Enter num2: 4
Enter operator (+, -, *, /): *
Result: 48.00

-----
Process exited after 13.74 seconds with return value 0
Press any key to continue . . .

```

|    |   |  |
|----|---|--|
|    | <pre>     }     else {         printf("undefined");     } }  return 0; } </pre>   |  |
| 07 | <pre> #include &lt;stdio.h&gt; int main() {     int Year;     printf("Enter a Year: ");     scanf("%d", &amp;Year);      if (Year%4==0 &amp;&amp; Year%100!=0    (Year % 400 == 0)) {         printf("it's a leap year");     }     else {         printf("it's not leap year");     }      return 0; } </pre>                                |  <pre> C:\Users\DELL\Desktop\Proje X + v Enter a Year: 600 it's not leap year ----- Process exited after 3.657 seconds with return value 0 Press any key to continue . . .   </pre>     |
| 08 | <pre> #include &lt;stdio.h&gt; int main() {     int number;     printf("Enter a number: ");     scanf("%d", &amp;number);      if(number&gt;0) {         printf("it's positive number");     }     else if(number&lt;0) {         printf("it's negative number");     }     else {         printf("it's zero");     }      return 0; } </pre> |  <pre> C:\Users\DELL\Desktop\Proje X + v Enter a number: -6 it's negative number ----- Process exited after 3.709 seconds with return value 0 Press any key to continue . . .   </pre> |
| 09 | <pre> #include &lt;stdio.h&gt; int main() { </pre>  |  |

|    |   |  |
|----|---|--|
|    | <pre> int day; printf("Enter a number (1-7) to get name of the day of week: \n"); scanf("%d", &amp;day);  // Switch to determine the day of the week switch (day) { case 1:     printf("Monday\n");     break;  case 2:     printf("Tuesday\n");     break;  case 3:     printf("Wednesday\n");     break;  case 4:     printf("Thursday\n");     break;  case 5:     printf("Friday\n");     break;  case 6:     printf("Saturday\n");     break;  case 7:     printf("Sunday\n");     break;  default:     printf("invalid input"); }  return 0; } </pre> |  <pre> C:\Users\DELL\Desktop\Proje X + v Enter a number (1-7) to get name of the day of week: 5 Friday  ----- Process exited after 4.192 seconds with return value 0 Press any key to continue . . .   </pre> |
| 10 | <pre> #include &lt;stdio.h&gt; int main() {     int Password;     printf("Enter 4 number Password: ");     scanf("%d", &amp;Password);      if(Password==3421) {         printf("Access Granted");     } } </pre>   |  <pre> C:\Users\DELL\Desktop\Proje X + v Enter 4 number Password: 3214 Access Denied  ----- Process exited after 3.464 seconds with return value 0 Press any key to continue . . .   </pre>                  |

|  |   |  |
|--|---|--|
|  | <pre>else {<br/>    printf("Access Denied");<br/>}<br/><br/>return 0;<br/>}</pre> |  |
|  |   |  |