

The image shows a screenshot of the Turbo C++ (TC) IDE. The top window displays a C program with the following code:

```
File Edit Run Compile Project Options Debug Break/watch
Line 16 Col 40 Insert Indent Tab Fill Unindent * E:NONAME.C
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
switch( *(3+ "I Like""ABCD" + 4))
{
case 65: puts("Alia Bhat");break;
case 66: puts("Jhanvi Kapoor");break;
case 67: puts("Kiara Advani");break;
default : puts("Pooja Hegde");
}
getch();
}
/* It returns B addr and * means value at that address i.e. B ascii
value i.e. 66 ==> case 66 ==> Jhanvi Kapoor */
```

The bottom window shows the output of the program, which is "Jhanvi Kapoor". The Windows taskbar at the bottom indicates the time is 4:32 PM on 16-Jun-22.

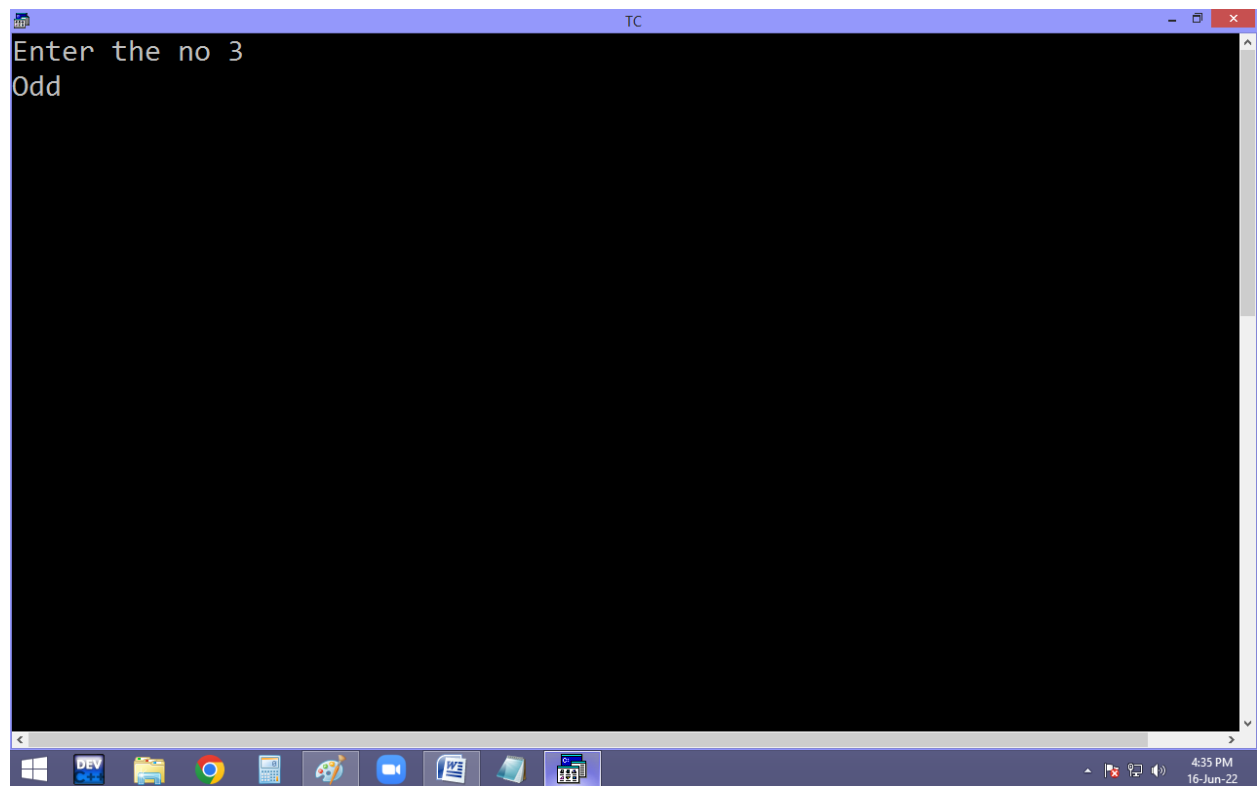
Eg. Finding even/odd using switch:

The image shows two screenshots of the Turbo C++ (TC) IDE. The top screenshot displays the source code of a C program designed to check if a number is even or odd. The code includes headers for `stdio.h` and `conio.h`, defines a `main` function, declares an integer `n`, clears the screen with `clrscr()`, prompts the user to enter a number, reads the input with `scanf`, and uses a `switch` statement to print "Even" or "Odd" based on the remainder of the number divided by 2. The bottom screenshot shows the program's execution. It displays the prompt "Enter the no 4", followed by the user's input "Even", and a cursor on a new line, indicating the program has completed its execution.

```
TC
File Edit Run Compile Project Options Debug Break/watch
Line 14 Col 1 Insert Indent Tab Fill Unindent * E:NONAME.C
#include<stdio.h>
#include<conio.h>
void main()
{
int n;
clrscr();
printf("Enter the no "); scanf("%d",&n);
switch(n%2)
{
case 0: puts("Even");break;
default: puts("Odd");
}
getch();
}
```

TC

Enter the no 4
Even



A screenshot of a Windows 10 desktop environment. A terminal window titled "TC" is open, displaying the text "Enter the no 3" and "Odd" on two separate lines. The terminal has a black background and white text. The Windows taskbar is visible at the bottom, showing icons for the Start menu, Dev C++, File Explorer, Google Chrome, Calculator, Paint, Microsoft Edge, and a folder icon. The system tray on the right shows the date and time as 4:35 PM on 16-Jun-22.

```
TC
Enter the no 3
Odd
```

Eg. Finding vowel / consonant:

```
TC
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
void main()
{
char ch; clrscr();
printf("Enter a character ");
scanf("%c",&ch);
ch=tolower(ch);
if(isalpha(ch))
{
switch(ch)
{
case 'a': case 'e': case 'i': case 'o': case 'u': puts("Vowel");break;
default : puts("Consonant");
}
}
else puts("It is not an alphabet");
getch();
}

TC
Enter a character *
It is not an alphabet
```

```
TC
Enter a character A
Vowel
```

```
TC
Enter a character Y
Consonant
```

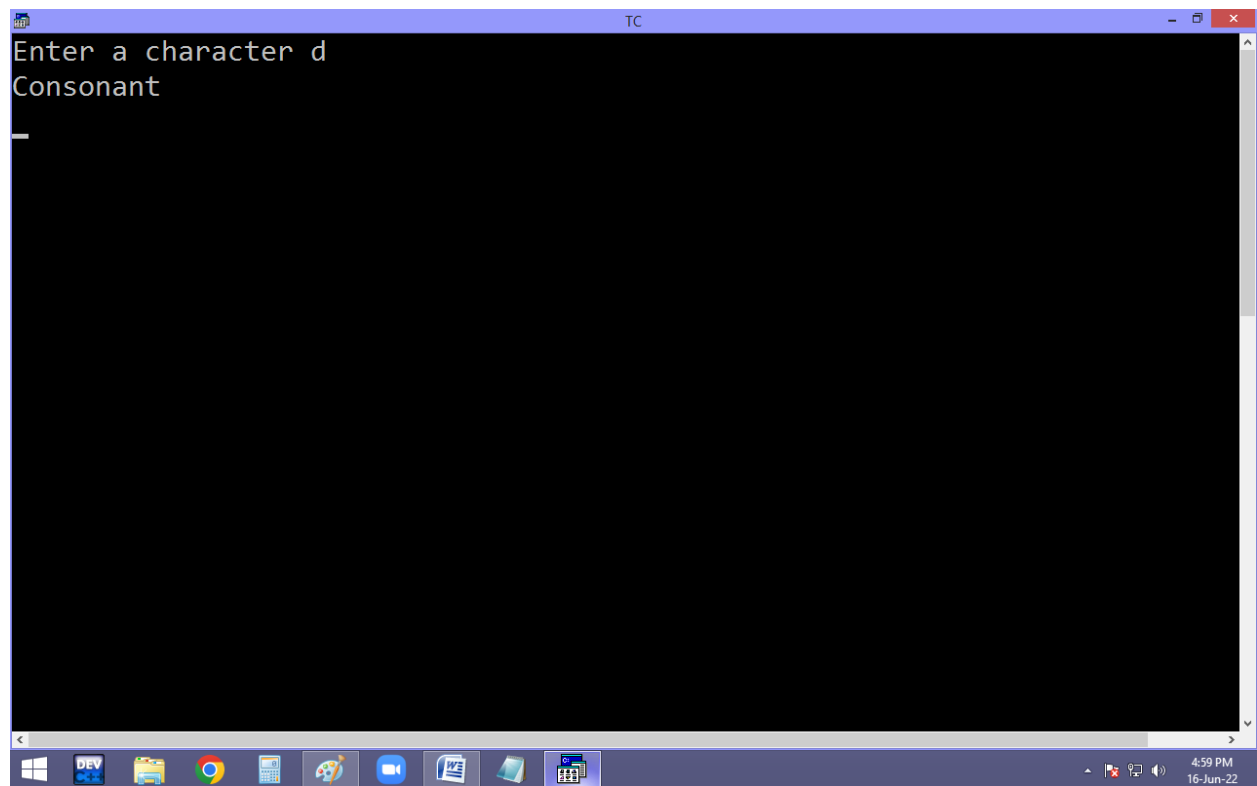
```
TC
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
void main()
{
char ch; clrscr();
printf("Enter a character ");
scanf("%c",&ch);
ch=tolower(ch);
if(isalpha(ch))
{
switch(ch)
{
case 'a': case 'e': case 'i': case 'o': case 'u': puts("Vowel");break;
default : puts("Consonant");
}
}
else if(isdigit(ch))puts("It is a digit"); else puts("Special char");
getch();
}

TC
Enter a character *
Special char

```

```
TC
Enter a character 9
It is a digit
```

```
TC
Enter a character o
Vowel
```

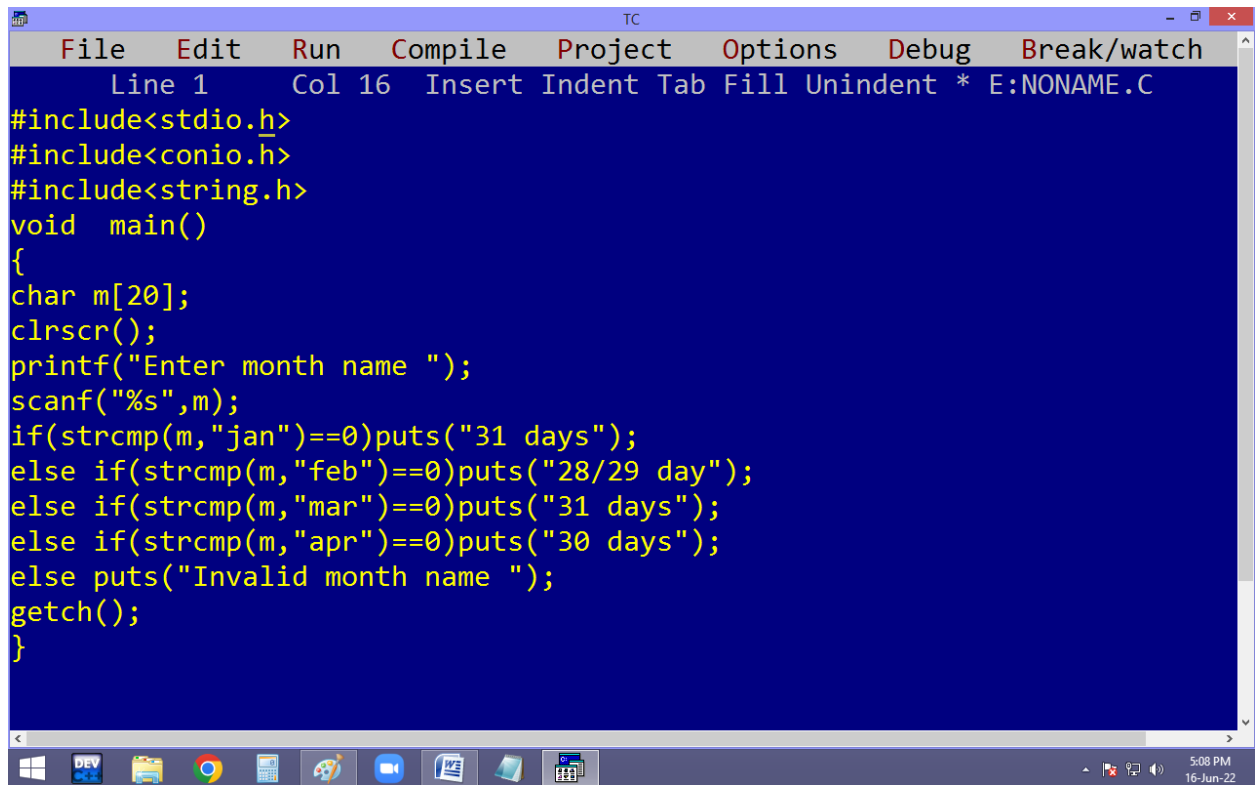
```
TC
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
void main()
{
char ch; clrscr();
printf("Enter a character ");
scanf("%c",&ch);
ch=tolower(ch);
if(isalpha(ch))
{
switch(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')
{
case 1: puts("Vowel");break;
default : puts("Consonant");
}
}
else if(isdigit(ch))puts("It is a digit"); else puts("Special char");
getch();
}

TC
Enter a character e
Vowel
```

```
TC
Enter a character b
Consonant
```

```
TC
Enter a character 8
It is a digit
```

Eg. finding no of days in given month.



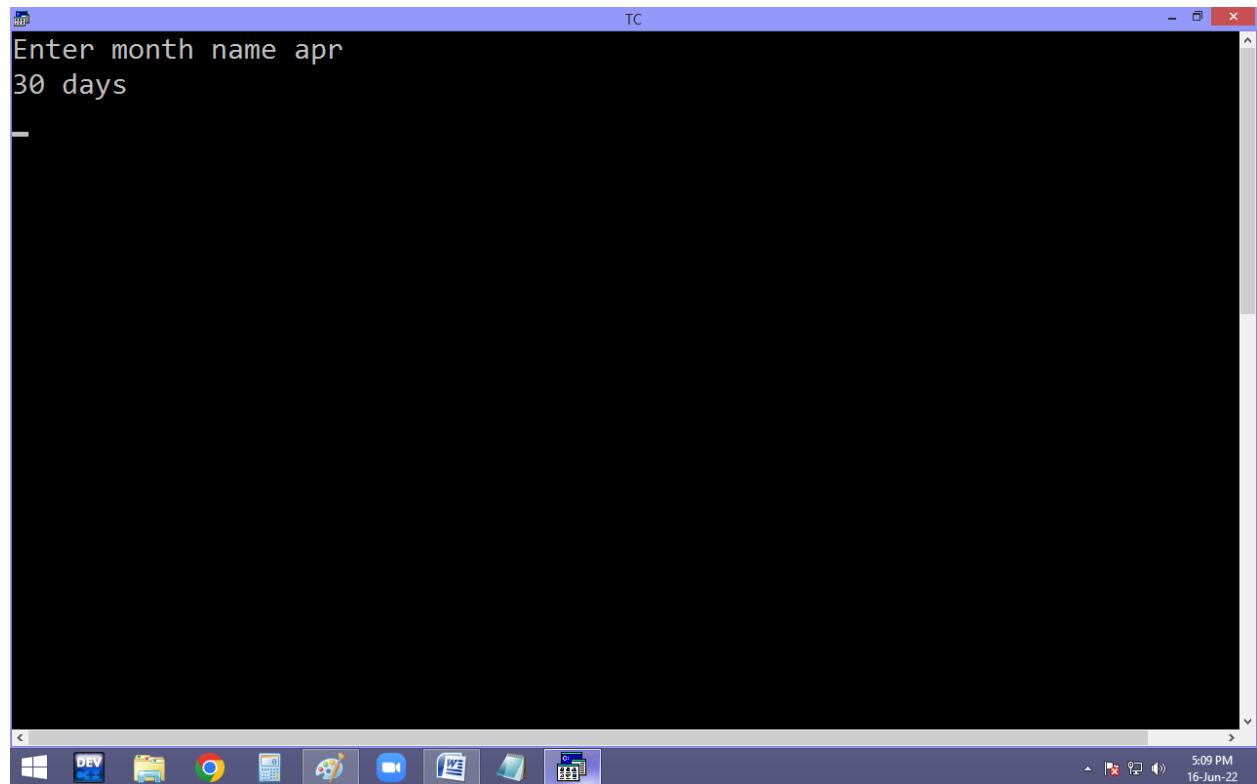
The image shows a screenshot of a Turbo C++ (TC) IDE window. The title bar reads "TC". The menu bar includes "File", "Edit", "Run", "Compile", "Project", "Options", "Debug", and "Break/watch". The status bar at the top indicates "Line 1", "Col 16", and "Insert Indent Tab Fill Unindent * E:NONAME.C". The main editing area has a dark blue background with yellow text. The code is as follows:

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
char m[20];
clrscr();
printf("Enter month name ");
scanf("%s",m);
if(strcmp(m,"jan")==0)puts("31 days");
else if(strcmp(m,"feb")==0)puts("28/29 day");
else if(strcmp(m,"mar")==0)puts("31 days");
else if(strcmp(m,"apr")==0)puts("30 days");
else puts("Invalid month name ");
getch();
}
```

The Windows taskbar is visible at the bottom, showing icons for Windows, DEV C++, File Explorer, Google Chrome, Calculator, Paint, and other applications. The system clock in the bottom right corner shows "5:08 PM" and "16-Jun-22".

```
TC
Enter month name ac
Invalid month name
```

```
TC
Enter month name jan
31 days
```



Enter two numbers 9.9 2.1
M E N U
+. Add -. Sub *. Mul % . Mod / . Div ^. Pow E. Exit
Enter Your Option[+] Sum=12.00

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

```
#include<conio.h>
```

```
#include<math.h>
```

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

```
void main()
```

```
{
```

```
float a,b;

char op;

start:

clrscr();

printf("Enter two numbes ");

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

puts("*****
*****");

puts("\t\t M E N U");

puts("*****
*****");

puts("\t\t +. Add");

puts("\t\t -. Sub");

puts("\t\t *. Mul");

puts("\t\t %. Mod");

puts("\t\t /. Div");

puts("\t\t ^. Pow");
```



```
puts("\t\t\t E. Exit");

puts("*****
*****");

printf("\t\t\t Enter Your Option[ ]\b\b");

flushall();

scanf("%c",&op);

gotoxy(50, 18);

switch(op)
{
case '+': printf("Sum=%.2f",a+b);break;
case '-': printf("Sub=%.2f",a-b);break;
case '*': printf("Pro=%.2f",a*b);break;
case '%': printf("Mod=%.2f",fmod(a,b));break;
case '/': printf("Div=%.2f",a/b);break;
case '^': printf("Pow=%.2f",pow(a,b));break;
case 'e': case 'E': exit(0);
default: puts("Invalid option");
```

```
}
```

```
getch();
```

```
goto start;
```

```
}
```

```
TC
Enter two numbes 4 5
*****
                        M E N U
*****
                        +. Add
                        -. Sub
                        *. Mul
                        %. Mod
                        /. Div
                        ^. Pow
                        E. Exit
*****
                        Enter Your Option[E]
```

```
TC
Enter two numbes 5.9 3.2
*****
                        M E N U
*****
                        +. Add
                        -. Sub
                        *. Mul
                        %. Mod
                        /. Div
                        ^. Pow
                        E. Exit
*****
                        Enter Your Option[/]

                        Div=1.84_
```