

The screenshot shows a C programming environment with the following interface elements:

- Top Bar:** Includes icons for file operations (New, Open, Save), Run, Debug, Stop, Share, Save, Beautify, and a download icon.
- Language Selection:** Set to C, with options for C, C++, and C#.
- Code Editor:** Displays the file "main.c" containing the following C code:

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a;
6     printf("Enter the age:\n");
7     scanf("%d",&a);
8     (a>=18)?printf("eligible to vote"):printf("not eligible to vote");
9
10
11    return 0;
12 }
13
14
```
- Output Console:** Labeled "input", showing the program's execution:

```
Enter the age:
18
eligible to vote

...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C programming environment with the following interface elements:

- Top Bar:** Includes icons for file operations (New, Open, Save), Run, Debug, Stop, Share, Save, Beautify, and a download icon.
- Language Selection:** Set to "Language C" with icons for Help and Settings.
- Code Editor:** Displays the file "main.c" with the following code:

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a,b;
6     printf("Enter the numbers:\n");
7     scanf("%d%d",&a,&b);
8     if(a>0 && b>0){
9         if(a>b){
10             printf("the greater number is:%d",a);
11         }
12     else
13         printf("the greater number is:%d",b);
14     }
15     else
16     printf("invalid number in input");
17
18     return 0;
19 }
20
21
```

Output Console: Shows the program's execution and output. The title bar of the console window says "input". The output is:

```
Enter the numbers:
156
345
the greater number is:345
...
Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C programming environment with a dark theme. The top bar includes standard icons for file operations (New, Open, Save), running the program, debugging, stopping, sharing, saving, beautifying code, and a download icon. The language is set to C. The main area displays the code for a C program named `main.c`. The code prompts the user to enter two numbers, compares them, and prints the greater one or an error message if input is invalid. The terminal window below shows the execution of the program, where it asks for input, receives "253" and "-34", and then outputs "invalid number in input". It concludes with a exit code of 0.

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a,b;
6     printf("Enter the numbers:\n");
7     scanf("%d%d",&a,&b);
8     if(a>0 && b>0){
9         if(a>b){
10             printf("the greater number is:%d",a);
11         }
12     else
13         printf("the greater number is:%d",b);
14     }
15     else
16     printf("invalid number in input");
17
18     return 0;
19 }
20
21
```

```
Enter the numbers:
253
-34
invalid number in input

...Program finished with exit code 0
Press ENTER to exit console.
```

```
main.c
1 #include <stdio.h>
2
3 int main()
4 {
5     int a,b,c;
6     printf("enter three numbers\t");
7     scanf("%d%d%d",&a,&b,&c);
8     if(a>0 && b>0 && c>0){
9         if(a>=b && a>=c){
10            printf("the greatest number is:%d",a);
11        }
12        else if(b>=a && b>=c){
13            printf("the greatest number is:%d",b);
14        }
15        else
16            printf("the greatest number is:%d",c);
17    }
18    else
19        printf("invalid number in input");
20
21    return 0;
22 }
23
24
25
```

```
input
enter three numbers      254
456
123
the greatest number is:456

...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C programming environment with a code editor and a terminal window.

Code Editor:

- File menu icon
- Run button
- Debug button
- Stop button
- Share button
- Save button
- Beautify button
- Download button
- Language dropdown set to C
- Build status: 0 errors, 0 warnings

The code in `main.c` is as follows:

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a,b,c;
6     printf("enter three numbers\t");
7     scanf("%d%d%d",&a,&b,&c);
8     if(a>0 && b>0 && c>0){
9         if(a>=b && a>=c){
10            printf("the greatest number is:%d",a);
11        }
12        else if(b>=a && b>=c){
13            printf("the greatest number is:%d",b);
14        }
15        else
16            printf("the greatest number is:%d",c);
17    }
18    else
19        printf("invalid number in input");
20
21    return 0;
22 }
23
24
25
```

Terminal Window:

The terminal window shows the following output:

```
enter three numbers      244
244
244
the greatest number is:244
...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C code editor interface with a dark theme. The top bar includes standard file operations (New, Open, Run, Debug, Stop, Share, Save, Beautify) and language selection (Language: C). The code editor window displays a file named "main.c" containing the following C code:

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a,b,c;
6     printf("enter three numbers\t");
7     scanf("%d%d%d",&a,&b,&c);
8     if(a>0 && b>0 && c>0){
9         if(a>=b && a>=c){
10            printf("the greatest number is:%d",a);
11        }
12        else if(b>=a && b>=c){
13            printf("the greatest number is:%d",b);
14        }
15        else
16            printf("the greatest number is:%d",c);
17    }
18 }
19 else
20     printf("invalid number in input");
21
22 return 0;
23 }
24
25 }
```

The terminal window below shows the execution of the program. It prompts for three numbers, receives 123, -32, and 456, and prints "invalid number in input" for the negative value. The output ends with a success message and a prompt to press Enter.

```
enter three numbers      123
-32
456
invalid number in input

...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C code editor interface with a dark theme. The top bar includes standard icons for file operations (New, Open, Save, etc.) and a toolbar with buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language setting is set to C. The main window displays a C program named 'main.c'.

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main(){
4     int a,b,res;
5     char op;
6     printf("\n Enter the operator:\n");
7     scanf("%c",&op);
8     printf("enter the operands:\n");
9     scanf("%d%d",&a,&b);
10    switch(op)
11    {
12        case '+': res=a+b;
13        printf("\n %d= %d %c %d",res,a,op,b);
14        break;
15        case '-': res=a-b;
16        printf("\n %d= %d %c %d",res,a,op,b);
17        break;
18        case '*': res=a*b;
19        printf("\n %d= %d %c %d",res,a,op,b);
20        break;
21        case '/':
22        if(b!=0)
23        {
24            res=a/b;
25            printf("\n %d=%d %c %d",res,a,op,b);
26        }
27        else{
28            printf("\n division by zero");
29            break;
30        }
31        default:printf("\n undefined operation");
32    }
33    getch();
34 }
```

The code implements a simple calculator that takes two integers and an operator from the user. It then performs the corresponding arithmetic operation and prints the result. If the user enters a division by zero, it prints an error message. Otherwise, it prints an undefined operation message.

The screenshot shows a C code editor interface with a dark theme. The top bar includes standard file operations like Run, Debug, Stop, Share, Save, and Beautify, along with language selection (Language C) and settings icons. The code editor window displays a file named 'main.c' containing the following C code:

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main(){
4     int a,b,res;
5     char op;
6     printf("\n Enter the operator:\n");
7     scanf("%c",&op);
8     printf("enter the operands:\n");
9     scanf("%d%d",&a,&b);
10    switch(op)
11    {
12        case '+': res=a+b;
13        printf("\n %d= % d %c %d",res,a,op,b);
14        break;
15    }
}
```

The bottom half of the screen shows the terminal window where the program is run. The user inputs the operator '/' and the operands '7' and '0'. The program outputs 'division by zero' and exits with a status of 0.

```
Enter the operator:
/
enter the operands:
7
0

division by zero

...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C code editor interface with the following details:

- Toolbar:** Includes icons for File, Run, Debug, Stop, Share, Save, Beautify, and a download arrow.
- Language Selection:** Set to C.
- File List:** Shows "main.c" as the active file.
- Code Content:** The main.c file contains the following C code:

```
4 int main()
5 {
6     double rank;
7     printf("Enter your rank:\n");
8     scanf("%le",&rank);
9     if(rank>0 && rank<=3250){
10         printf("Congratulations!! you get CSE branch\n");
11         printf("Congratulations!! you get ISE branch\n");
12         printf("Congratulations!! you get E and C branch\n");
13         printf("Congratulations!! you get MEC branch\n");
14     }
15     else if(rank<=6505){
16         printf("Congratulations!! you get ISE branch\n");
17         printf("Congratulations!! you get E and C branch\n");
18         printf("Congratulations!! you get MEC branch\n");
19     }
20     else if(rank<=12012){
21         printf("Congratulations!! you get E and C branch\n");
22         printf("Congratulations!! you get MEC branch\n");
23     }
24     else if(rank<=22340){
25         printf("Congratulations!! you get MEC branch\n");
26     }
27     else if(rank>22340){
28         printf("sorry to inform you! you don't get any branch");
29     }
30
31     return 0;
32 }
```

The screenshot shows a C programming environment with the following interface elements:

- Top Bar:** Includes icons for file operations (New, Open, Save), Run, Debug, Stop, Share, Save, Beautify, and a download icon.
- Language Selection:** Set to C, with options for C, C++, and C99.
- Code Editor:** Displays the file "main.c" with the following code:

```
1 //include <stdio.h>
2
3
4 int main()
5 {
6     double rank;
7     printf("Enter your rank:\n");
8     scanf("%le",&rank);
9     if(rank>0 && rank<=3250){
10         printf("Congratulations!! you get CSE branch\n");
11         printf("Congratulations!! you get ISE branch\n");
12         printf("Congratulations!! you get E and C branch\n");
13         printf("Congratulations!! you get MEC branch\n");
14     }
15     else if(rank<=6505){
16         printf("Congratulations!! you get ISE branch\n");
17         printf("Congratulations!! you get E and C branch\n");
18         printf("Congratulations!! you get MEC branch\n");
19     }
20     else if(rank<=12012){
21         printf("Congratulations!! you get E and C branch\n");
22         printf("Congratulations!! you get MEC branch\n");
}
```

Output Console: Shows the program's execution and output.

```
input
Enter your rank:
7205
Congratulations!! you get E and C branch
Congratulations!! you get MEC branch

...Program finished with exit code 0
Press ENTER to exit console.
```

```
main.c
1
2 #include <stdio.h>
3
4 int main()
5 {
6     double rank;
7     printf("Enter your rank:\n");
8     scanf("%le",&rank);
9     if(rank>0 && rank<=3250){
10         printf("Congratulations!! you get CSE branch\n");
11         printf("Congratulations!! you get ISE branch\n");
12         printf("Congratulations!! you get E and C branch\n");
13         printf("Congratulations!! you get MEC branch\n");
14     }
15     else if(rank<=6505){
16         printf("Congratulations!! you get ISE branch\n");
17         printf("Congratulations!! you get E and C branch\n");
18         printf("Congratulations!! you get MEC branch\n");
19     }
20     else if(rank<=12012){
21         printf("Congratulations!! you get E and C branch\n");
22         printf("Congratulations!! you get MEC branch\n");
}
Enter your rank:
1265
input
Congratulations!! you get CSE branch
Congratulations!! you get ISE branch
Congratulations!! you get E and C branch
Congratulations!! you get MEC branch

...Program finished with exit code 0
Press ENTER to exit console.□
```

The screenshot shows a C programming environment with the following interface elements:

- Top Bar:** Includes icons for file operations (New, Open, Save), run/debug/stop (Run, Debug, Stop), share (Share), save (Save), beautify (Beautify), and download (Download).
- Language Selection:** Set to C, with options for C, C++, and C99.
- Tool Buttons:** Includes a help icon (Info) and settings icon (Settings).
- Code Editor:** The file "main.c" is open, containing the following code:

```
14 }
15 else if(rank<=6505){
16     printf("Congratulations!! you get ISE branch\n");
17     printf("Congratulations!! you get E and C branch\n");
18     printf("Congratulations!! you get MEC branch\n");
19 }
20 else if(rank<=12012){
21     printf("Congratulations!! you get E and C branch\n");
22     printf("Congratulations!! you get MEC branch\n");
23 }
24 else if(rank<=22340){
25     printf("Congratulations!! you get MEC branch\n");
26 }
27 else if(rank>22340){
28     printf("sorry to inform you! you don't get any branch");
29 }
30
31 return 0;
32 }
33
34 }
```

- Terminal Output:** Labeled "input" at the top, showing the program's interaction with the user:

```
Enter your rank:
25000
sorry to inform you! you don't get any branch

...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C code editor interface with a dark theme. At the top, there is a toolbar with icons for Run, Debug, Stop, Share, Save, Beautify, and a download arrow. To the right of the toolbar, the language is set to C, and there are icons for Help and Settings. The main area displays a C program named 'main.c' with line numbers from 1 to 26. The code prompts the user for the number of books, calculates a base cost of 10 per book, and then applies different discounts based on the number of books. The output window below shows the execution of the program, where it asks for input, prints the total cost, and exits with an exit code of 0.

```
main.c
1 #include <stdio.h>
2
3 int main()
4 {
5     long int books;
6     long int cost,x,y;
7     printf("Enter the number of books\n");
8     scanf("%ld",&books);
9     cost=books*10;
10    if(books<=10000){
11        printf("No discount!!!\nthe total cost is:%ld",cost);
12    }
13    if(books>10000 && books<=15000){
14        x=cost-(cost*0.1);
15        printf("Hey!! you got 10% discount\n");
16        printf("the total cost is:Rs %ld",x);
17    }
18    if(books>15000 && books<=20000){
19        y=cost-(cost*(0.2));
20        printf("Hey!! you got 20% discount");
21        printf("the total cost is:%ld",y);
22    }
23
24    return 0;
25 }
26
```

input

```
Enter the number of books
10000
No discount!!!
the total cost is:100000

...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows a C programming environment with the following interface elements:

- Top Bar:** Includes icons for file operations (New, Open, Save), Run, Debug, Stop, Share, Saved, Beautify, and a download icon.
- Language Selection:** Set to C, with options for C, C++, and C#.
- Tool Buttons:** Includes a help icon and settings icon.
- Code Editor:** Displays the file "main.c" with the following code:

```
1 #include <stdio.h>
2
3 int main()
4 {
5     long int books;
6     long int cost,x,y;
7     printf("Enter the number of books\n");
8     scanf("%ld",&books);
9     cost=books*10;
10    if(books<=10000){
11        printf("No discount!!!\nthe total cost is:%ld",cost);
12    }
13    if(books>10000 && books<=15000){
14        x=cost-(cost*0.1);
15        printf("Hey!! you got 10% discount\n");
16        printf("the total cost is:Rs %ld",x);
17    }
18    if(books>15000 && books<=20000){
19        y=cost-(cost*(0.2));
20        printf("Hey!! you got 20% discount");
21        printf("the total cost is:%ld",y);
22    }
23
24    return 0;
25 }
26
```

Output Console: Shows the program's execution and output.

```
Enter the number of books
12450
Hey!! you got 10% discount
the total cost is:Rs 112050

...Program finished with exit code 0
Press ENTER to exit console.
```