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C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Ex8.c - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Ex8.c Quiz2.c Quiz3.c Quiz4.c Quiz5.c Quiz6.c Quiz7.c
1 #include <stdio.h>
2 int main(void)
3 {
4     int customer_type, units;
5     float total;
6
7     printf("Enter customer type(number)(1 - Domestic/ 2 - Samurdhi):");
8     scanf("%d", &customer_type);
9
10    printf("Enter used electricity units per month: ");
11    scanf("%d", &units);
12
13    if(units<=100)
14    {
15        total = units * 10.0;
16    }
17    else
18    {
19        total = ((100*10)+((units-100)*30.0));
20        if(customer_type == 1)
21        {
22            total = total + (total * 0.2);
23        }
24    }
25    printf("Monthly charge: Rs. %.2f", total);
26
27    return 0;
28 }
29 }
```

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Ex8.exe
Enter customer type(number)(1 - Domestic/ 2 - Samurdhi): 1
Enter used electricity units per month: 110
Monthly charge: Rs. 1560.00
-----
Process exited after 9.61 seconds with return value 0
Press any key to continue . . .
```

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Write a C program to input the type of customer (1 - Domestic customer and 2- Samurdhi customer) and the number of electricity units used for a month. The program should calculate the electricity bill as follows.

For first 100 units   Rs. 10.00/unit  
For units above 100   Rs.30.00/unit

An additional surcharge of 20% is added for Domestic customers who have exceeded 100 units.

Sample Output1:  
Customer Type: 1  
Number of units: 110  
Monthly charge: Rs.1560.00

Sample Output2:  
Customer Type: 2  
Number of units: 96  
Monthly charge: Rs.960.00

mer (If loyalty customer and the total bill amount the final bill.

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz2.c - [Executing] - Dev-C++ 5.11
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(globals)
Project Classes Debug Ex8.c Quiz2.c Quiz3.c Quiz4.c Quiz5.c Quiz6.c Quiz7.c
1 #include <stdio.h>
2 int main(void)
3 {
4     int customer_type;
5     float tbill_amount, discount, fbill_amount; //tbill_amount - total bill amount, fbill_amount
6
7     printf("Enter customer type(number)(1 - loyalty/ 2 - Nonlocally): ");
8     scanf("%d", &customer_type);
9
10    printf("Enter total bill amount: ");
11    scanf("%f", &tbill_amount);
12
13    if(customer_type == 1)
14    {
15        if(tbill_amount <= 2500)
16        {
17            discount = (tbill_amount * 0.05);
18            fbill_amount = (tbill_amount - discount);
19        }
20        else
21        {
22            discount = (tbill_amount * 0.1);
23            fbill_amount = (tbill_amount - discount);
24        }
25    }
26    else if (customer_type == 2)
27    {
28        if(tbill_amount > 5000)
29        {
30            discount = (tbill_amount * 0.1);
31            fbill_amount = (tbill_amount - discount);
32        }
33    }
34    printf("Discount Amount: Rs. %.2f \n", discount);
35    printf("Final Bill Amount: Rs. %.2f", fbill_amount);
36
37    return 0;
38 }
```

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz2.exe
Enter customer type(number)(1 - loyalty/ 2 - Nonlocally): 1
Enter total bill amount: 2000
Discount Amount: Rs. 100.00
Final Bill Amount: Rs. 1900.00
-----
Process exited after 18.94 seconds with return value 0
Press any key to continue . . .
```

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**Write a C program to input the type of customer (If loyalty customer input 1 and if Nonlocally customer – input 2) and the total bill amount to the system and calculate the discount and the final bill.**

**For Loyalty Customer:**

Bill Amount is less than or equal to Rs. 2500, discount is 5% of the bill amount.

Bill Amount is greater than Rs. 2500, discount is 10% of the bill amount.

**For Nonlocality Customer:**

Bill Amount is greater than Rs. 5000, discount is 10% of the bill amount.

Sample output 1:

2

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz3.c - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Ex8.c Quiz2.c Quiz3.c
1 #include <stdio.h>
2 int main(void)
3 {
4     int month;
5     float basic_salary, bonus;
6
7     printf("Enter number of worked months: ");
8     scanf("%d", &month);
9
10    printf("Basic salary: ");
11    scanf("%f", &basic_salary);
12
13    if(month < 6)
14    {
15        bonus = 0;
16    }
17    else
18    {
19        bonus = (month * basic_salary);
20    }
21    if(month == 12 && basic_salary <= 45000.00)
22    {
23        bonus = (bonus + basic_salary);
24    }
25    printf("Bonus: Rs. %.2f", bonus);
26
27    return 0;
28 }
```

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz3.exe
Enter number of worked months: 12
Basic salary: 20000
Bonus: Rs. 260000.00
-----
Process exited after 14.5 seconds with return value 0
Press any key to continue . . .
```

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Customer Type: 2  
Bill Amount: Rs. 8500  
Discount Amount: Rs. 850.00

Write a C program to input the number of months worked in the previous year and the basic salary from the keyboard and calculate and display the bonus.

The bonus is calculated as following.  
less than 6 months, no bonus  
6 or more months, bonus = number of months \* basic salary

If a employee works 12 months and the basic salary is less than or equal to 45000.00 rupees an additional one month bonus will be given.

Sample input1  
number of months: 3  
basic salary : 20000.00  
Bonus : 0.00

Sample input2:

year and the basic salary from the



```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz4.c - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Ex8.c Quiz2.c Quiz3.c Quiz4.c
1 #include <stdio.h>
2 int main(void)
3 {
4     int book_type, rented_days;
5     float rental_amount;
6
7     printf("Enter Book Type(number)(1 - Computer Related/ 2 - Other): ");
8     scanf("%d", &book_type);
9
10    printf("Enter Rented days: ");
11    scanf("%d", &rented_days);
12
13    if(book_type == 1)
14    {
15        printf("Rental per day: Rs. 10.00");
16        rental_amount = (rented_days * 10);
17    }
18    else if(book_type == 2)
19    {
20        printf("Rental per day: Rs. 8.00");
21        rental_amount = (rented_days * 8);
22    }
23    if(rented_days > 14)
24    {
25        rental_amount = (rental_amount + (rental_amount * 0.1));
26    }
27    printf("\nRental Amount: Rs. %.2f", rental_amount);
28    return 0;
29 }
```

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz4.exe
Enter Book Type(number)(1 - Computer Related/ 2 - Other): 1
Enter Rented days: 15
Rental per day: Rs. 10.00
Rental Amount: Rs. 165.00
-----
Process exited after 11.76 seconds with return value 0
Press any key to continue . . .
```

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Question text

Write a C program to input the Book Type (If Computer Related – 1, Others - 2) and the no of days the book is rented and calculate the rental amount.

Rental amount per day is given below:

Computer Book: Rs. 10.00

Any other Book: Rs. 8.00

In the end, you have to display as follows:

Sample output 1:

Book Type: 2

Rented days: 10

Rental per day: Rs.8.00

Total Amount: Rs. 80.00

Sample output 2:

Book Type: 1

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz5.c - [Executing] - Dev-C++ 5.11
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(global.s)
Project Classes Debug Ex8.c Quiz2.c Quiz3.c Quiz4.c Quiz5.c
1 #include <stdio.h>
2 int main(void)
3 {
4     int year, unit;
5     float commission;
6
7     printf("Enter number of years worked: ");
8     scanf("%d", &year);
9
10    printf("Enter number of unit sold: ");
11    scanf("%d", &unit);
12
13    if (year <= 2)
14    {
15        printf("Commission: 0.00");
16    }
17    else
18    {
19        if (unit > 100)
20        {
21            commission = (unit * 3500.00);
22        }
23        if (unit >= 31 && unit <= 100)
24        {
25            commission = (unit * 2500.00);
26        }
27        if (unit <= 30)
28        {
29            commission = (unit * 1000.00);
30        }
31    }
32    printf("Commission: %.2f", commission);
33 }
```

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz5.exe
Enter number of years worked: 3
Enter number of unit sold: 100
Commision: 250000.00
-----
Process exited after 5.733 seconds with return value 22
Press any key to continue . . .
```

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Book type: 1  
Rented days: 15  
Rental per day: Rs. 10.00  
Rental Amount: Rs. 165.00

Question 1  
Not yet answered  
Started out of 10.00  
Flag question

A company provides a monthly commission for their sales persons according to the monthly sales. Commission is given only for employees who worked more than 2 years.  
Monthly commission for product No 10 has to be calculated based on the following criteria.

Monthly units sales (No of units per month)	Commission per Unit (Rupees)
Monthly sales > 100	3500.00
Monthly sales between 31 and 100	2500.00
Monthly sales <= 30	1000.00

Write a C program to enter the no of years worked and number of units sold from the keyboard. Calculate and display the commission amount.  
Format your answers to two decimal places.

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz6.c - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug Ex8.c Quiz2.c Quiz3.c Quiz4.c Quiz5.c Quiz6.c
1 #include <stdio.h>
2 int main(void)
3 {
4     int course_number;
5     float aptitude_mark, discount, course_fee;
6
7     printf("Enter course number(1/ 2): ");
8     scanf("%d", &course_number);
9
10    printf("Enter Aptitude marks: ");
11    scanf("%f", &aptitude_mark);
12
13    if(aptitude_mark >= 80 && aptitude_mark <= 100)
14    {
15        if(course_number == 1)
16        {
17            discount = (150000 * 0.075);
18            course_fee = (150000 - discount);
19        }
20        else if(course_number == 2)
21        {
22            discount = (175000 * 0.075);
23            course_fee = (175000 - discount);
24        }
25    }
26    else
27    {
28        printf("Discount: 0.00");
29    }
30    printf("Discount: %.2f \n", discount);
31    printf("Course fee: %.2f", course_fee);
32
33    return 0;
34 }
```

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz6.exe
Enter course number(1/ 2): 1
Enter Aptitude marks: 90
Discount: 11250.00
Course fee: 138750.00
-----
Process exited after 6.948 seconds with return value 0
Press any key to continue . . .
```

Line: 33 Col: 14

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Course Fee details of two courses offered by ABCD institute is given below

Course No	Course Fee (Rs)
1	150000
2	175000

A discount is given for the course fee based on the marks obtained in the aptitude test as shown below.

Marks	Discount
80 - 100	7.5%
Less than 80	No discount

Write a C program to enter the course no and the marks. Calculate and display the discount, the amount to be paid (course fee - discount)

Format your answers to two decimal places. If an invalid course no is entered, display "Invalid Course".

Sample output 1

Course no.: 1

Aptitude test marks: 90



```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz7.c - [Executing] - Dev-C++ 5.11
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(globals)
Project Classes Debug Ex8.c Quiz2.c Quiz3.c Quiz4.c Quiz5.c Quiz6.c Quiz7.c
1 #include <stdio.h>
2 int main(void)
3 {
4     int product_number, user;
5     float amount;
6
7     printf("Enter product number(1/ 2): ");
8     scanf("%d", &product_number);
9
10    printf("Enter number of users: ");
11    scanf("%d", &user);
12
13    if(user >= 0 && user <= 100)
14    {
15        if(product_number == 1)
16        {
17            amount = (user * 15.50);
18        }
19        else if(product_number == 2)
20        {
21            amount = (user * 25.50);
22        }
23    }
24    else if(user > 100)
25    {
26        if(product_number == 1)
27        {
28            amount = ((100 * 15.50) + ((user - 100) * 25.00));
29        }
30        else if(product_number == 2)
31        {
32            amount = ((100 * 25.50) + ((user - 100) * 35.00));
33        }
34    }
35    printf("Amount to be paid: %.2f", amount);
```

```
C:\Users\Nirosh\Desktop\SLIT\Dev C++ source files\IP quiz\Quiz7.exe
Enter product number(1/ 2): 1
Enter number of users: 150
Amount to be paid: 2800.00
-----
Process exited after 24.29 seconds with return value 26
Press any key to continue . . .
```

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# NetExam

Sri Lanka Institute of Information Technology

Examinations Lockdown Browser Practice Test

License fee for two virus guard products are given below. Pricing is calculated based on the no of users. Following table shows the user blocks and the per user rate.

No of users	Product 1 Pricing per user (\$)	Product 2 Pricing per user (\$)
0 - 100	15.50	25.50
Above 100	25.00	35.00

Ex: For product 1, pricing for 150 users will be calculated as follows.  
First 100 users will be charged \$15.50 per user and the rest will be charged \$25.00 per user.

Write a C program to enter the product no and no of users. Calculate and display the amount need to be paid as the license fee.  
Format your answers to two decimal places.

Sample output 1

```
product no : 1
number of users : 150
Amount to be paid : 2800.00
```