

## **C PROGRAMMING**

### **EXERCISE**

1. Write a program to find maximum in the given three numbers.
2. Write a program to check whether the given number is even or odd.
3. Check whether the given number is multiple of 7 or not.
4. Write a program to check whether the given number is positive number or not.
5. Write a program to calculate net amount by accepting amount value from user.

| Amount(Rs) | Discount(%) |
|------------|-------------|
|------------|-------------|

|              |     |
|--------------|-----|
| Amount>=5000 | 10% |
|--------------|-----|

|           |    |
|-----------|----|
| Otherwise | 5% |
|-----------|----|

6. Write a program to check whether the given year is a leap year or not.
7. Write a program to evaluate student result by reading marks in three subjects from user.(Pass or Fail)
10. Write a program to check whether the entered number is less than 10 or not.
11. Write a program to check whether the given character is lowercase alphabet or not.
12. Write a program to check whether the given character uppercase alphabet or not.
13. Write a program to check the given character is alphabet or not.
14. Write a program to find biggest of three given numbers.

15. Write a program to check whether the given number is positive or negative or zero.

16. Write a program to evaluate result of a student by accepting marks in three subjects

17. Write a program to perform calculator operations( +, -, \*, / ) on given two numbers.

18. Write a program to calculate net amount by accepting amount value from user.

| <b>Amount (Rs)</b> | <b>Discount (%)</b> |
|--------------------|---------------------|
| 1-1000             | 5%                  |
| 1001-2000          | 10%                 |
| 2001-3000          | 15%                 |
| 3001-4000          | 20%                 |
| >4000              | 25%                 |

19. What is the output of the following code?

```
void main ()
{
    int x = 2;
    switch(x)
    {
        case 1:
            printf("Hello C");
            break;
        case 2:
            printf("Hello C++");
            break;
```

```
        case 3:
            printf("Hello java");
            break;
        default:
            printf("BRECW")
    }
}
```

20.What is the output of the following code?

```
void main ()
{
    int x=2
    switch(x)
    {
        case 2 :
            printf("Hello C++");
            break;
        case 1:
            printf("Hello C");
            break;
        case 3:
            printf("Hello java");
            break;
        default:
            printf("BRECW");
    }
}
```

21.What is the output of the following code?

```
void main()
{
int x = 2;
switch(x)
{
case 1 :
    printf("Hello C");

case 2 :
    printf("Hello C++");
case 3:
    printf("Hello Java");
default :
    printf("BRECW");
```

22. What is the output of the following code?

```
void main()
{
    int i;
    i=3;
    switch(i)
    {
        case 1: printf("x"); break;
        case 2: printf("y"); break;
        default : printf("z")
    }
```

```
}
```

23. What is the output of the following code?

```
void main ( )  
{  
  int x = 5;  
  switch(x)  
  {  
    case 1 :  
      printf("Hello C");  
    default:  
      printf("BRECW");  
    case 2:  
      printf("Hello C++");  
      break;  
    case 3:  
      printf("Hello java");  
  }  
}
```

24. What is the output of the following code?

```
void main()  
{  
  int x = 1 ;  
  switch(x)  
  {  
    x = x + 1;  
    case 1: printf("one"); break;  
    case 2: printf("two"); break;
```

```
        default : printf("three");
    }
}
```

25.What is the output of the following code?

```
void main()
{
    char ch = 'b';
    switch(ch)
    {
        case 'a' :
            printf("one");
            break;
        case 'b' :
            printf("two");
            break;
        default:
            printf("three")
    }
}
```

26.What is the output of the following code?

```
void main()
{
    int number = 4;
    switch(number)
    {
        case 1:
        case 3:
```

```

case 5:
case 7:
case 9:
printf("%d is an odd number", number);
break;
case 2:
case 4:
case 6:
case 8:
printf("%d is an even number\n", number);
break;
default:
printf("%d is a value not between 1 and 9 ", number);

    }
}

```

27.What is the output of the of the following code ?

```

void main ()
{
    int I ;
    i = 2 ;
    switch (i)
    {
        case 1.0: printf("a"); break;
        case 2.0: printf("b"); break;
        default : printf ("c");
    }
}

```

```
}
```

28. What is the output of the following code ?

```
void main ( )  
{  
    int i=1, j=2;  
    switch (3)  
    {  
        case i : printf("sun"); break ;  
        case j : printf("mon"); break;  
        case i+j : printf("tue")  
    }  
}
```

29. What is the output of the following code ?

```
void main ( )  
{  
    switch (4)  
    {  
        case 2+1 : printf( "c" ); break ;  
        case 2-2 : printf ( "c++" ) ; break ;  
        case 2*2 : printf ( "java" ) ; break ;  
        case 2/2 : printf ( "unix" ) ;  
    }  
}
```



30. Write a program to carry out the arithmetic operations addition, subtraction, multiplication, and division between two variable values.

31. Write a program that checks whether a character entered by the user is a vowel or not.

32. Write a program using a switch statement to check whether a number given by the user is odd or even.

33. Write a menu driven program to find area of the circle, area of the triangle and area of the rectangle according to user's input choice.

34. Input integer centigrade value of temperature and print nature of weather

Centigrade  $< 0$  : freezing

Centigrade : 0-10 : very cold

11-40 : Summer

Centigrade  $> 40$  : it is Burning

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