

Assignment - 9

```
# int main ()
{
    int x;
    printf (" enter a month no");
    scanf ("%d", &x);

    switch (x)
    {
        case 1:
            printf (" january");
            break;
        case 2:
            printf (" feb");
            break;
        case 3:
            printf (" march");
            break;

        _____
        _____
        _____

        case 12:
            printf (" december"); break;
        default:
            printf (" wrong");
    }
    return 0;
}
```

Date _____
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int main()
{
    int x;
    printf("enter day no of week");
    scanf("%d", &x);
    switch (x)
    {
        case 1:
            printf("holiday");
            break;
        case 2:
            printf("working day");
            break;
        case 3:
            printf("next working day");
            break;
        case 4:
            printf("Good day");
            break;
        case 5:
            printf("lazy day");
            break;
        case 6:
            printf("Good friday");
            break;
        case 7:
            printf("before holiday");
            break;
        default:
            printf("invalid choice");
    }
    return 0;
}
  
```



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int main ()
{
    int y, u, v, w;
    while (1)
    {
        printf ("1) iso. isosceles triangle");
        printf ("2) right angle triangle");
        printf ("3) equilateral triangle");
        printf ("4) exit");
        printf ("\n\n enter your choice ");
        scanf ("%d", &y);

        switch (y)
        {
            case 1: printf ("enter three value");
                    scanf ("%d%d%d", &u, &v, &w);
                    printf ("iso. isosceles triangle");
                    break;
            case 2: printf ("enter three value");
                    scanf ("%d%d%d", &u, &v, &w);
                    if (u*u == v*v + w*w || v*v == u*u + w*w ||
                        w*w == u*u + v*v)
                        printf ("right angle triangle");
                    else
                        printf ("not right angle");
                    break;
            case 3: printf ("enter three value");
                    scanf ("%d%d%d", &u, &v, &w);
                    if (u == v && v == w)
                        printf ("equilateral triangle");
        }
    }
}

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else
    printf (" not equilateral");
    break;
case 4:
    exit (0);
default:
    printf (" invalid choice");
}
return 0;
}

```

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5. int main ()
{
    int var;
    printf (" enter a no");
    scanf ("%d", &var);
    switch (var)
    {
        case 1: printf (" good");
                break;
        case 2: printf (" better");
                break;
        default:
            printf (" invalid");
    }
    printf ("\n");
    return 0;
}

```


6. int main ()

{

int x;

printf ("enter a year");

scanf ("%d", &x);

switch (x % 100 == 0)

{

case 1 : switch (x % 400 == 0)

{

case 1 : printf ("leap year");

break;

case 0 : printf ("non leap year");

break;

}

break;

case 0 : switch (x % 4 == 0)

{

case 1 : printf ("leap year");

break;

case 0 : printf ("non leap year");

break;

}

break;

}

printf ("\n");

return 0;

}

fflush(stdin);

7. int main()

{

int x;

float bill = 0, amount = 0;

printf("enter your bill in unit");

scanf("%d", &x);

switch (x <= 50)

{

case 1: bill = x * 0.50;

break;

case 0: switch (x <= 150)

{

case 1: bill = 25 + (x - 50) * 0.75;

break;

case 0: switch (x <= 250)

{

case 1: bill = 100 + (x - 150) * 1.20;

break;

case 0: bill = 220 + (x - 250) * 1.50;

break;

} break;

} break;

}

printf("total bill = %f", bill + bill * 0.20);

return 0;

}


```
8. int main ()
{
    int x;
    printf("enter a no");
    scanf("%d", &x);
    switch (x > 0)
    {
        case 1: printf("%d", -x);
                break;
        case 0: printf("%d", -x);
                break;
    }
    return 0;
}
```

```
9. int main ()
{
    int x;
    printf("enter a no");
    scanf("%d", &x);
    switch (x % 2 == 0)
    {
        case 1: printf("%d", x+1);
                break;
        case 0: printf("%d", x);
                break;
    }
    return 0;
}
```

```

10. int main ()
{
    int b, a, c, D = 0, root1 = 0, root2 = 0;
    printf ("enter the value of b a c:");
    scanf ("%d %d %d", &b, &a, &c);
    D = b * b - 4 * a * c;
    Switch (D > 0)
    {
        case 1: root1 = (-b + sqrt(D)) / 2 * a;
                root2 = (-b - sqrt(D)) / 2 * a;
                printf ("root 1 = %d and root 2 = %d", root1, root2);
                break;
        case 0: Switch (D = 0)
                {
                    case 1: root1 = (-b) / 2 * a;
                            printf ("root 1 = root 2 = %d", root1);
                            break;
                    case 0: root1 = (-b + sqrt(4 * a * c - b * b)) / (2 * a);
                            root2 = (-b - sqrt(4 * a * c - b * b)) / (2 * a);
                            printf ("root 1 = %d and root 2 = %d", root1, root2);
                            break;
                }
        }
    }
    return 0;
}

```