

## Assignment - 2

1. #include <stdio.h>

int main()

{

int n, c;

printf("Enter a no.");

scanf("%d", &n);

c = n % 10;

printf("unit digit is %d", c);

printf("\n");

return 0;

}

2. #include <stdio.h>

int main()

{

int n, c;

printf("Enter no.");

scanf("%d", &n);

c = n / 10;

printf("no. without last digit is %d", c);

printf("\n");

return 0;

}

3.



3. ~~#include <stdio.h>~~  
~~int main()~~  
~~{~~  
~~int a, b, c;~~  
~~printf("%d\n", a, b);~~  
~~printf("Enter two no.'s");~~  
~~scanf("%d %d", a, b);~~  
~~a = c;~~  
~~a = b;~~  
~~b = c;~~  
~~printf("%d %d", a, b);~~  
~~printf("\n");~~  
~~return 0;~~  
~~}~~

3. int main()  
 {  
 int a, b, c;  
 printf("Enter two no.'s");  
 scanf("%d %d", &a, &b);  
 c = a;  
 a = b;  
 b = c;  
 printf("\n a = %d b = %d", a, b);  
 printf("\n");  
 return 0;  
 }



4. int main()

{

int a, b;

printf("Enter two no.");

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

printf("a = %d b = %d", a, b);

a = a + b;

b = a - b;

a = a - b;

printf("a = %d b = %d", a, b);

printf("\n");

return 0;

}

5. int main()

{

int n, sum, rem;

int rem = 0, sum = 0;

printf("Enter a three digit no.");

scanf("%d", &n);

rem = n % 10;

n = n / 10;

sum = sum + rem;

rem = n % 10;

n = n / 10;

sum = sum + rem;

rem = n % 10;

n = n / 10;

sum = sum + rem;

printf("%d", sum);

return 0;

}



6. #include <stdio.h>

int main()

{

char a = 'b'

printf("%d", a);

return 0;

}

NOTE →

1 0 1 0 0 1 0

↑

MSB

↑

LSB

even

LSB = 0

odd

LSB = 1

1 & 1 = 1

0 & 1 = 0

0 & 0 = 0

1 & 0 = 0

(number) operate (mask)

5

&

1

8. int main()

{ int n, result;

printf("Enter no.");

scanf("%d", &n);

int result = n & 1;

if (result == 1)

{ printf("odd");

else

printf("even"); }

return 0;

}

(To check whether the no. is odd or even).



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7. #include <stdio.h>
int main ()
{
    int n, count=0, result=0;
    printf("Enter no.");
    scanf("%d", &n);
    while (n != 0)
    {
        result = n & 1;
        count++;
        if (result == 1)
        {
            printf("%d", count);
            break;
        }
        n = n >> 1;
    }
    return 0;
}

```

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9. Q. 8. int main () {
    int int type;
    float float type;
    double double type;
    char char type;
}

```

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printf (size of (int type));
printf (size of (float type));
printf (size of (double type));
printf (size of (char type));

```



\_/\_/\_

10. `#include <stdio.h>`  
`int main`  
`{`  
`int n, c;`  
`printf("Enter no.");`  
`scanf("%d", &n);`  
`c = n % 10;`  
`n = n / c;`  
`printf("%d", n);`  
`return 0;`  
`}`

11. `int main()`  
`{`  
`int n, i;`  
`printf("Enter no.");`  
`scanf("%d", &n);`  
`printf("Enter digit");`  
`scanf("%d", &i);`  
`n = n + i;`  
`printf("%d", n);`  
`return 0;`  
`}`



12.

int main()

{

float n, i;

printf("Enter rupees");

scanf("%f", &amp;n);

i = n / 76.23;

printf("amount in dollars is %.4f", i);

return 0;

}

13.

#include &lt;stdio.h&gt;

int main()

{

int a, b, c, d;

printf("Enter a");

scanf("%d", &amp;a);

printf("Enter b");

scanf("%d", &amp;b);

printf("Enter c");

scanf("%d", &amp;c);

 $d = b^2 - 4 * a * c;$ 

printf("determinant is %d", d);

if (d == 0)

{

printf("roots are imaginary");

}

else if (d &gt; 0)

{

printf("roots are real and distinct");

}

else

{

printf("roots are imaginary");

}

return 0;