

```
//program to print table of any number
```

```
2
3 #include<stdio.h>
4 int main()
5 {
6     int n,i;
7     printf("Enter any number:");
8     scanf("%d", &n);
9
10    for(i=1; i<=10; i++)
11    {
12        printf("%d \n", i*n);
13    }
14
15 }
16
17 }
```

```
C:\Users\user\Desktop\Java
Enter any number:
18
15
20
25
30
35
40
45
50
Process exited after 7.745 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\9.exe
- Output Size: 126.1015625 Kib
- Compilation Time: 0.20s

14 Col: 5 Sel: 0 Lines: 17 Length: 216 Insert Done Parsing in 0.003 seconds

Type here to search

File Edit View Window Help

```
1 //program to print sum of all odd and even numbers from 1 to n
```

```
2
3 #include<stdio.h>
4 int main()
5 {
6     int n,i,sum=0,sum1=0;
7     printf("Enter any number:");
8     scanf("%d", &n);
9
10    for(i=1; i<=n; i=i+2)
11    {
12        sum=sum+i;
13    }
14    printf("SUM OF ODD NUMBER BETWEEN IS: %d \n", sum);
15
16    for(i=0; i<=n; i=i+2)
17    {
18        sum1=sum1+i;
19    }
20    printf("SUM OF EVEN NUMBER BETWEEN IS: %d\n", sum1);
21    return 0;
22 }
```

```
C:\Users\va\Desktop\Java
Enter any number:5
SUM OF ODD NUMBER BETWEEN IS: 9
SUM OF EVEN NUMBER BETWEEN IS: 0
process exited after 14.16 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Complete Log Debug Find Results Close

Compilation results...

```
- Errors: 0
- Warnings: 0
- Open compiler paths:
  - Output Filename: C:\Users\va\Desktop\Java\0.exe
  - Output Size: 128.6015625 Kib
  - Compilation Time: 0.209
```

3 Col: 18 Set: 0 Line: 21 Length: 400 Invert Date: parsing in 0.000 seconds

Type here to search

14% battery

```
File Edit View Window Help  
1 //program to reverse of a given number  
2  
3 #include<stdio.h>  
4 int main()  
5 {  
6     int n=23;  
7     printf("ORIGINAL NUMBER IS: %d", n);  
8     printf("\n");  
9     int a=n%10;  
10    int b=n/10;  
11  
12    printf("REVERSE OF THE GIVEN NUMBER IS: %d",a);  
13    printf("%d",b);  
14    return 0;  
15 }  
16
```

C:\Users\user\Desktop\b.exe
ORIGINAL NUMBER IS: 23
REVERSE OF THE GIVEN NUMBER IS: 32
process exited after 0.00287 seconds with return value 0
press any key to continue . . .

Resources CompileLog Debug FindResults Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\b.exe
- Output Size: 123.10515625 KB
- Compilation Time: 0.27s

Col 1 Sel 0 Lines 16 Length 259 Insert Done parsing in 0.003 seconds

Type here to search

Very high UW ^ q) 16:21 23-09-2024

//program to check whether a number is prime or not

```
#include<stdio.h>
```

```
int main()
```

```
5 int n,i,count=0;
```

```
6 printf("ENTER ANY NUMBER:");
```

```
7 scanf("%d", &n);
```

```
8 for(i=1; i<=n; i++)
```

```
9 {
```

```
10 if(n%i==0)
```

```
11 {
```

```
12 count=count+1;
```

```
13 }
```

```
14 }
```

```
15 }
```

```
16 }
```

```
17 }
```

```
18 if(count==2)
```

```
19 {
```

```
20 printf("PRIME NUMBER");
```

```
21 }
```

```
22 }
```

```
23 else
```

```
24 {
```

```
25 printf("NOT PRIME NUMBER");
```

```
26 }
```

```
27 return 0;
```

```
28 }
```

```
29 }
```

Compiler Resources Compile Log Debug Find Results Close
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\Desktop\4.exe
- Output Size: 126.1015625 Kib
- Compilation Time: 0.229

Line: 29 Col: 1 Sel: 0 Lines: 29 Length: 353 Insert Done parsing in 0.062 seconds

Type here to search



//program to find the values

```
2
3 #include<stdio.h>
4 #include<math.h>
5 int main()
6 {
7     int n,x,y;
8
9     printf("ENTER ANY NUMBER(n):");
10    scanf("%d", &n);
11    printf("ENTER ANY NUMBER(x):");
12    scanf("%d", &x);
13
14    if(n==1)
15    {
16        printf("%d", 1+x);
17    }
18
19    else if(n==2)
20    {
21        printf("%d", 1+x/n);
22    }
23
24    else if(n==3)
25    {
26        int a=pow(x,n);
27        printf("%d", 1+a);
28    }
29
30    else
31    {
32        printf("%d", 1+n*x);
33    }
34
35    return 0;
36
37 }
```

```
C:\Users\user\Desktop\4.exe
ENTER ANY NUMBER(n):6
ENTER ANY NUMBER(x):8
49
-----
Process exited after 4.267 seconds with return value 0
Press any key to continue . . .
```

```
//Fibonacci series  
3  
#include<stdio.h>  
4  
int main()  
5 {  
6     int n,i;  
7     int a=0,b=1,c;  
8  
9     printf("ENTER THE NUMBER OF TERMS:");  
10    scanf("%d", &n);  
11  
12    printf("FIBONACCI SERIES:");  
13  
14    for(i=1; i<=n; i++)  
15    {  
16        printf("%d\n", a);  
17  
18        c=a+b;  
19        a=b;  
20        b=c;  
21    }  
22  
23    return 0;  
24 }
```

```
C:\Users\user\Desktop\pi4\ex6  
ENTER THE NUMBER OF TERMS:3  
FIBONACCI SERIES:  
1  
1  
Process exited after 6.94 seconds  
Press any key to continue . . .
```

//C program to find minimum and maximum out of n numbers

```
1 //C program to find minimum and maximum out of n numbers
2
3 #include<stdio.h>
4
5 int main()
6 {
7     int n,i,num;
8     int min,max;
9
10    printf("ENTER HOW MANY NUMBERS:");
11    scanf("%d", &n);
12
13    printf("ENTER NUMBER 1:");
14    scanf("%d", &num);
15
16    min=max=num;
17
18    for(i=2; i<=n; i++)
19    {
20        printf("ENTER NUMBER %d\n:", i);
21        scanf("%d", &num);
22
23        if(num>max)
24            max=num;
25        if(num<min)
26            min=num;
27
28    printf("\nMaximum=%d", max);
29    printf("\nMinimum=%d", min);
30    return 0;
31 }
32 }
```

```
C:\Users\User\Desktop\4.exe
ENTER HOW MANY NUMBERS:4
ENTER NUMBER 1:7
ENTER NUMBER 2
:8
ENTER NUMBER 3
:9
ENTER NUMBER 4
:1

Maximum=9
Minimum=1
```

Process exited after 9.595 seconds with return value 0
Press any key to continue . . .

//Sum of individual digits of n digit number

```
1 //Sum of individual digits of n digit number
2
3 #include<stdio.h>
4 int main()
5 {
6     int num,sum=0,digit;
7
8     printf("ENTER A NUMBER:");
9     scanf("%d", &num);
10
11    while(num>0)
12    {
13        digit=num%10;
14
15        sum=sum+digit;
16        num=num/10;
17    }
18
19    printf("Sum of digits=%d\n", sum);
20
21 }
22
```

```
C:\Users\user\Desktop\4.exe
ENTER A NUMBER:23
Sum of digits=5
Press any key to continue . . .
```

//Palindrome number identification

```
4 //Palindrome number identification
5 #include<stdio.h>
6 int main()
7 {
8     int num,original,reversed=0,remainder;
9     scanf( "%d" , &num );
10    original=num;
11
12    while( num!=0 )
13    {
14        remainder=num%10;
15        reversed=reversed*10+remainder;
16        num=num/10;
17    }
18
19
20    if( original==reversed )
21    {
22        printf( "%d is a Palindrome number\n" , original );
23    }
24
25    else
26    {
27
28
29    }
30
return 0;
```

```
ENTER A NUMBER:1331
1331 is a Palindrome number
Process exited after 17.91 seconds with return value 0
Press any key to continue . . .
```

RAHU
Edit

Armstrong number identification

```
4 #include<stdio.h>
5
6 int main()
7 {
8     int num,original,digits=0,remainder;
9     int sum=0;
10    printf("ENTER A NUMBER: ");
11    scanf("%d", &num);
12
13    original=num;
14    temp=num;
15
16    while(temp!=0)
17    {
18        remainder=temp%10;
19        sum=sum+(int)pow(remainder,digits);
20        temp=num/10;
21    }
22
23    if(sum==original)
24    {
25        printf("%d is a Armstrong number\n", original);
26    }
27
28
29
30    printf("%d is Not a Armstrong number\n", original);
31
32
33
34
35 }
```

C:\Users\user\Desktop\0.exe
ENTER A NUMBER:4
4 is Not a Armstrong number
Process exited after 2.768 seconds with return value 0
Press any key to continue . . .

```
1 #include <stdio.h>
2
3 int main() {
4     int n, num;
5     int max = -2147483648, secondMax =
6         -2147483648; // very small initial
7         values
8
9
10    printf("Enter how many numbers: ");
11    scanf("%d", &n);
12
13
14    printf("Enter the numbers:\n");
15    for (int i = 0; i < n; i++) {
16        scanf("%d", &num);
17
18        if (num > max) {
19            secondMax = max;
20            max = num;
21        } else if (num > secondMax && num < max
22            ) {
23            secondMax = num;
24        }
25    }
26
27    printf("Maximum = %d\n", max);
28    if (secondMax == -2147483648)
29        printf("Second Maximum does not exist
30                (all numbers same).\n");
31
32    else
33        printf("Second Maximum = %d\n",
34               secondMax);
35
36
37    return 0;
38 }
```

Enter how many numbers: 2

Enter the numbers:

2

1

Maximum = 2

Second Maximum = 1

==== Code Execution Successful ===