|  |  |
| --- | --- |
| Code | Output |
| #include<stdio.h>  #include<conio.h>  void main(){  int a,b,c;  printf("Enter an integer");  scanf("%d",&a);  b=(a>0);  printf("a=%d\n",a);  } | Enter an integer4  a=4  Process returned 4 (0x4) execution time : 3.817 s  Press any key to continue. |
| #include<stdio.h>  #include<conio.h>  void main(){  int a,b,c;  printf("Enter an integer");  scanf("%d",&a);  b=(a>0);  printf("a=%d\n",a);  printf("b=%d\n",b);c=a||b;  } | Enter an integer0  a=0  b=0  Process returned 0 (0x0) execution time : 1.894 s  Press any key to continue. |
| Enter an integer56  a=56  b=1  Process returned 1 (0x1) execution time : 7.835 s  Press any key to continue. |
| #include<stdio.h>  #include<conio.h>  void main(){  int a,b,c;  printf("Enter an integer");  scanf("%d",&a);  b=(a>0);  printf("a=%d\n",a);  printf("b=%d\n",b);c=a||b;  printf("c=%d\n",c);  } | Enter an integer5  a=5  b=1  c=1  Process returned 4 (0x4) execution time : 3.461 s  Press any key to continue. |
| #include<stdio.h>  #include<conio.h>  void main(){  inta,b,c;  printf("Enter ab integer");  scanf("%d",&a);  printf("b=%d\n",b);c=a||b;  printf("c=%d\n",c);  c=a&&b;  printf("c=%d\n",c);  } | Enter an integer3  a=3  b=1  c=1  Process returned 4 (0x4) execution time : 2.765 s  Press any key to continue. |
| #include<stdio.h>  #include<conio.h>  void main(){  int a,b,c;  a=65;  b=16;  c=a&b;  printf("c=%d\n",c);  } | c=0 |
| #include<stdio.h>  #include<conio.h>  void main(){  int a,b,c;  a=65;  b=16;  c=a&b;  printf("c=%d\n",c);  c=a|b;  printf("c=%d\n",c);  } | c=81 |
| #include<stdio.h>  #include<conio.h>  void main(){  int a,b,c;  a=65;  b=16;  c=a&b;  printf("c=%d\n",c);  c=a|b;  printf("c=%d\n",c);  c=~a;  printf("c=%d\n",c);  } | c=-66 |
| #include<stdio.h>  #include<conio.h>  void main(){  int a,b,c;  a=65;  b=16;  c=a&b;  printf("c=%d\n",c);  c=a|b;  printf("c=%d\n",c);  c=~a;  printf("c=%d\n",c);  c=a^b;  printf("c=%d\n",c);  } | c=81 |

1. A) #include <stdio.h>

#include<conio.h>

int main(){

unsigned char a=5;

printf("Right shift by 2 %d\n",a>>2);

}

B) #include <stdio.h>

#include<conio.h>

int main(){

unsigned char a=5;

printf("Left shift by 1 %d\n",a<<1);

}

1. #include <stdio.h>

#include<conio.h>

int main(){

int a;

printf("Enter Number");

scanf("%d",&a);

a%2==0?

printf("even"):printf("odd");

}

1. #include <stdio.h>

#include<conio.h>

int main(){

int X;

X=3\*5;

X=19/3\*5;

X=19/3\*5+5/2;

X=19/3\*5+5/2%7;

X=19/3\*5+5/2%7+2;

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

}

#include <stdio.h>

#include<conio.h>

int main(){

int X;

X=19/3;

X=3%2;

X=19/3+3%2;

X=19/3+3%2+5;

X=5\*2;

X=5\*2+3;

X=5\*2+3-2;

X=5-5\*2+3-2;

X=19/3+3%2+5-5\*2+3-2;

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

}

5. Enter your desired monthly salary:5000\_\_\_

Gee! $5000.00 a month is $60000.00 a year.

Process returned 0 (0x0) execution time : 6.253 s

Press any key to continue.

6. #include <stdio.h>

int

main ()

{

int x = 1, y = 0;

int a;

printf ("Insert 1 or 0");

scanf ("%d", &x);

scanf ("%d", &y);

x==a?

printf ("29 Days") : printf ("28 Days");

}

7. 1.) a=2

a++=d

a=3

a--=3

a=2

++a=3

a=3

--a=4

2) 5

65

767

666

76

67

8. #include<stdio.h>

#include<conio.h>

void main(){

int bsalary=8000;

int a=500;

float t=0.04;

int x=bsalary\*t+bsalary+a;

printf("net salary is %d\n",x);

}

9. q=50;

Quantity purchase:50

Final price=8000.00

q=40;

Quantity purchase:40

Final price=8000.00

q=80;

Quantity purchase:80

Final price=12800.00

10.

#include<stdio.h>

#include<conio.h>

#include <math.h>

void main(){

int sum;

printf("Insert sum");

scanf("%d", &sum);

int a=sum/1000;

int b=(sum-a\*1000)/500;

int c=(sum-b\*500-a\*1000)/200;

int d=(sum-c\*200-b\*500-a\*1000)/100;

int e=(sum-d\*100-c\*200-b\*500-a\*1000)/50;

int f=(sum-e\*50-d\*100-c\*200-b\*500-a\*1000)/20;

int g=(sum-f\*20-e\*50-d\*100-c\*200-b\*500-a\*1000)/10;

int h=(sum-g\*10-f\*20-e\*50-d\*100-c\*200-b\*500-a\*1000)/5;

int i=(sum-h\*5-g\*10-f\*20-e\*50-d\*100-c\*200-b\*500-a\*1000)/2;

int j=(sum-i\*2-h\*5-g\*10-f\*20-e\*50-d\*100-c\*200-b\*500-a\*1000);

printf("Notes: %d ",a);

printf("Notes: %d ",b);

printf("Notes: %d ",c);

printf("Notes: %d ",d);

printf("Notes: %d ",e);

printf("Notes: %d ",f);

printf("Notes: %d ",g);

printf("Coins: %d ",h);

printf("Coins: %d ",i);

printf("Coins: %d ",j);

}

11. 1.

12. ~b=0x55na&b=0xFFAAna&c=0xAAna|b=0xFFFFFFA3na^d=0xE730nd<<20=0x8CF00000nd>>5=0xFC0000C6n[Inferior 1 (process 5826) exited with code 020]

13. #include<stdio.h>

void main(){

int x;

int y;

x=(y>3)?(x<y)?y:x+10:(y<0)?-y:y+10;

printf("%d",x);

}

Output=10

14. #include <stdio.h>

int main()

{

int i;

printf ("Insert i");

scanf("%d", &i);

printf("Size of int = %dn", sizeof(int));

printf("Size of i = %dn", sizeof(i));

return 0;

}

15. 121112

121210

121012

121110

121110

101010

131113

Outputs have been detected by using increment operators.