Sheet-2 (Operator –I ) Solution

1. #include<stdio.h>

void main()

{

int a=12,b;

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

}

* 12 12

1. #include<stdio.h>

void main()

{

int a=10, b=5,c,d;

c=a>9;

d=a>3 && b!=3;

printf("c= %d, d= %d",c,d);

}

* c= 1, d= 1

1. #include<stdio.h>

void main()

{

int a=100, b=200,c;

c=(a==100 || b>200);

printf("c= %d",c);

}

* c= 1

1. What will be the output of the following ‘C’ code?

void main ( )

{

int x = 128;

printf ("\n%d", 1 + x ++);

}

* 129

1. #include <stdio.h>

void main()

{

int a=30,b=40,x;

x=(a!=10) && (b=50);

printf("%d",x);

}

* 1

1. #include <stdio.h>

main()

{

int x=11,y=6,z;

z=x==5||y!=4;

printf("%d",z);

}

* 1

1. #include <stdio.h>

int main()

{

int x= -7 - -9;

int y= -7 - -(-9);

printf("x=%d\ny=%d\n",x,y);

return 0;

}

* x=2

y=-16

1. #include <stdio.h>

int main()

{

int x;

x= 9 % 5 \* 4;

printf("x=%d",x);

return 0;

}

* x=16

1. #include <stdio.h>

int main()

{

int x;

x= 4 - 6 \* 5/5 + 7 % 2;;

printf("x= %d",x);

return 0;

}

* x=-1

1. #include <stdio.h>

int main()

{

printf("%d, %d \n",7/4,7%4);

printf("%d, %d \n",7/-4,7%-4);

printf("%d, %d \n",-7/4,-7%4);

printf("%d, %d \n",-7/-4,-7%-4);

return 0;

}

* 1, 3

-1, 3

-1, -3

1, -3

1. #include <stdio.h>

int main()

{

int a;

float b ;

a=9 % 4;

b= 9 % 4;

printf("%d, %f \n",a,b);

return 0;

}

* 1, 1.000000

1. #include <stdio.h>

int main()

{

float a=7, b=3 ;

int c=a % b;

printf("%d",c);

return 0;

}

* main.c: In function ‘main’:

main.c:13:13: error: invalid operands to binary % (have ‘float’ and ‘float’)

int c=a % b;

^

1. #include <stdio.h>

int main()

{

int a;

a=5^ 8-3\*2;

printf("%d",a);

return 0;

}

* 7

1. #include <stdio.h>

int main()

{

float b;

b=15/3;

printf("%f, %f",b,15/3);

return 0;

}

* 5.000000, 0.000000

1. #include <stdio.h>

int main()

{

int x=10,y=-20;

x=!x;

y=!y;

printf("x= %d, y= %d", x,y);

return 0;

}

* x= 0, y= 0

1. #include <stdio.h>

int main()

{

int x=0,y=1;

x=!x;

y=!y;

printf("x= %d, y= %d", x,y);

return 0;

}

* x= 1, y= 0

1. #include <stdio.h>

int main()

{

int x=3,y=4,z=4;

printf("ans= %d", z>=y&&y>=x?1:0);

return 0;

}

* ans= 1

1. #include <stdio.h>

int main()

{

int x=3,y=4,z=4;

printf("ans= %d", (z>=y>=x?100:200));

return 0;

}

* ans= 200

1. #include <stdio.h>

int main()

{

int x=-4,y,z=10;

y=x%-3;

y=(y ? 0 : z\*z);

printf("y= %d",y) ;

return 0;

}

* Y= 0

1. #include <stdio.h>

int main()

{

int k=12,n=30;

k=(k>5 && n=4?100:200);

printf("k= %d",k) ;

return 0;

}

* Lvalue required(error n=4)

1. #include <stdio.h>

int main()

{

int c=0,d=5,e=10,a,b;

a=c>1?d>1 || e>1?100:200:300;

b= c!=1?d>1 || e>1?100:200:300;

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

return 0;

}

* a= 300, b= 100

1. int main()

{

int i = 1, 2, 3;

printf("%d", i);

return 0;

}

* compile time error

1. #include <stdio.h>

int main()

{

int i = (1, 2, 3);

printf("%d", i);

return 0;

}

* 3

1. #include <stdio.h>

int main()

{

int i;

i = 1, 2, 3;

printf("%d", i);

return 0;

}

* 1

1. #include <stdio.h>

int main()

{

int a=10,b=10;

printf("ans= %d",a>b?a\*a:b/b);

return 0;

}

* ans= 1

1. #include <stdio.h>

int main()

{

int x=0,y=20;

x=!!x;

y=!x&& !y;

printf("x= %d, y= %d",x,y);

return 0;

}

* x= 0, y= 0

1. #include<stdio.h>

main()

{

int a=2,b=3,c=1,d;

d=a<b>=c;

printf("%d",d);

}

* 1

1. #include<stdio.h>

void main()

{

int a=23,b=12,c=10,d;

d=c+2=b+1=a;

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

}

* lvalue required

1. #include<stdio.h>

main()

{

int a=2,b=3,c=1,d;

d=a<b<c-1;

printf("%d",d);

}

* 0

1. #include<stdio.h>

main()

{

int a=10,b=20,c=30;

c==a=b;

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

}

* Lvalue

1. #include<stdio.h>

main()

{

int a=10,b=20,c=30;

c=a==b;

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

}

* 10 20 0

1. #include<stdio.h>

main()

{

int a=10,b=20,c=30;

c==a==b;

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

}

* 10 20 30

1. #include<stdio.h>

main()

{

int a=10,b;

b=a>5?100:200;

printf("%d",b);

}

* 100

int main()

{

int k=12,n=30;

k=(n=4 && n==4?100:200);

printf("k= %d",n) ;

return 0;

}

Ans:-N=200



int main()  
{  
    int a=10,b=20,c=30;  
c=(10,20)==(c,b);  
printf("%d",c);  
  
  
    return 0;  
}  
ans :1

36. int main()  
{  
int a=10,b=20,c=30;  
printf("ans= %d",a>b? a>c?a:c : b>c?b:c);  
  
    return 0;  
}  
  
*ans= 30.*