Sheet-4 Solution (Control Statement)

1. #include<stdio.h>

main()

{

int a=10,b=20;

if(a==b)

printf("a=10,b=20");

printf("a and b are not equal");

}

Ans: a and b are not equal

1. #include<stdio.h>

main()

{

int a=10,b=20;

if(a==b)

{

printf("a=10,b=20");

printf("a and b are not equal");

}

}

Ans:- No output

1. #include<stdio.h>

main()

{

int a=10,b=20;

if(a=b)

printf("a and b are equal");

else

printf("a and b are not equal");

}

Ans: a and b are equal

3.a main()

{

int a=10,b=20;

if(a==b){}

printf("a=10,b=20\n");

printf("a and b are not equal");

}

Output: line 6 and 7

1. #include<stdio.h>

main()

{

int a=10,b=20;

if(a==b);

printf("a and b are equal");

else

printf("a and b are not equal");

}

Ans: error

1. #include<stdio.h>

main()

{

int a=10,b=20;

if(a=b)

printf("a and b are equal\n");

else;

printf("a and b are not equal\n");

}

Ans: a and b are equal

a and b are not equal

1. #include <stdio.h>

int main()

{

if(!3.14)

printf("I have robbed and killed..");

else

printf("Until my evil purse was filled..");

return 0;

}

Ans:- Until my evil purse was filled..

1. #include <stdio.h>

int main()

{

int i;

if (printf("0"))

i = 3;

else

i = 5;

printf("%d", i);

return 0;

}

Ans:- 0 3

1. #include <stdio.h>

int main()

{

if('Z'<'z')

printf("I have robbed and killed..");

else

printf("Until my evil purse was filled..");

return 0;

}

Ans:- I have robbed and killed..

1. #include<stdio.h>

main()

{

if(1)

printf("This will always get excuted");

else

printf("This will never get excuted");

}

Ans:This will always get excuted

1. #include <stdio.h>

int main()

{

int x=10;

if x>=2

printf("I heve robbed and killed..");

else

printf("Until my evil purse was filled..");

return 0;

}

Ans:- Error

1. #include <stdio.h>

int main()

{

int i=10,j=40;

if((j-i)% 10)

printf("man sees your actions..");

else

printf("god sees your motives..");

return 0;

}

Ans:- god sees your motives..

1. #include <stdio.h>

int main()

{

int i=400000 \* 400000 / 400000;

if(i==400000)

printf("Hello India..");

else

printf("Hello World..");

return 0;

}

Ans:- Hello World..

1. #include<stdio.h>

main()

{

if(printf("Hello"))

printf("Students");

}

Ans:- HelloStudents

1. #include<stdio.h>

main()

{

int a=10,b=20;

if(a==10)

if(b==10)

printf("Value of a and bis 10");

else

printf("Value of a is 10 and b is something else");

}

Ans:Value of a is 10 and b is something else

1. #include<stdio.h>

main()

{

int a=10,b=20;

if(a==10)

{

if(b==10)

printf("Value of a and bis 10");

}

else

printf("Value of a is 10 and b is something else");

}

Ans:- No output

1. #include <stdio.h>

int main()

{

int x=10,y=20;

if(!(!x) && x)

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

else

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

return 0;

}

Ans:- x= 10

1. #include <stdio.h>

int main()

{

int x=100;

if(!!x)

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

else

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

return 0;

}

Ans:- x= 0

1. #include <stdio.h>

int main()

{

int i=10;

if(i==10)

;

else

printf("hello usa");

return 0;

}

Ans:- no output

1. #include <stdio.h>

int main()

{

float a=0.5,b=0.9;

if(a && b>=0.9)

printf("I am a boy..");

else

printf("I am a girl..");

return 0;

}

Ans:- I am a girl..

1. #include<stdio.h>

main()

{

int a=300,b=10,c=20;

if(!(a>=400))

b=300;

c=200;

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

}

Ans:- b= 300, c= 200

1. #include<stdio.h>

main()

{

int a=300,b=10,c;

if(!(a>=40))

b=300;

c=200;

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

}

Ans:- b= 10, c= 200

1. #include<stdio.h>

main()

{

int a=10,b=100 % 90;

if(a!=b);

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

}

Ans:- a= 10, b= 10

1. #include <stdio.h>

int main()

{

int x = 3;

if (x == 2); x = 0;

if (x == 3) x++;

else x += 2;

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

return 0;

}

Ans:- x=2

1. #include <stdio.h>

int main()

{

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

if (c > b > a)

printf("TRUE");

else

printf("FALSE");

return 0;

}

Ans:- FALSE

1. what will be output when you will execute following c code?

#include<stdio.h>

void main(){

int a=5,b=10;

if(++a &&++b)

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

else

printf("john terry");

}

Ans:-6 11

1. what will be output when you will execute following c code?

#include<stdio.h>

void main(){

int a=0,b=10;

if(a++||++b)

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

else

printf("john terry");

}

Ans:- 1 11

1. #include<stdio.h>

void main(){

int a=5,b=10;

clrscr();

if(a<++a||b<++b)

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

else

printf("john terry");

}

Ans:- john terry

1. what is the output of this c code?

#include <stdio.h>

int main()

{

int x = 0;

if (x++)

printf("true\n");

else if (x == 1)

printf("false\n");

}

Ans:- false

1. what is the output of this c code?

#include <stdio.h>

int main()

{

int x = 1;

int y = x == 1 ? getchar(): 2;

printf("%d\n", y);

}

Ans:- print ascii value

1. main()

{

int a=20,b=3;

if(a<10)

a=a-5;

b=b+5;

printf(“%d%d”,a,b);

}

Ans:- 20 8

1. main()

{

int i=1,j=9;

if(i>=5 && j<5);

i=j+2;

printf(“%d”,i);

}

Ans;- 11

1. main()

{

int a=0,b=0;

if(!a)

{

b=!a;

if(b)

a=!b;

printf(“%d%d”,a,b);

}}

Ans;- 0 1

1. main()

{

int a=5;

begin:

if(a)

{

printf(“%d”,a);

a--;

goto begin;

}

}

Ans;- 5 4 3 2 1

1. main()

{

int a=5;

begin:

if(a)

printf(“%d”,a);

a--;

goto begin;

}

Ans:- undefined behavior

1. #include<stdio.h>

int main()

{

char ch;

if(ch = printf(""))

printf("It matters\n");

else

printf("It doesn't matters\n");

return 0;

}

Ans:- It doesn't matters

1. What is the output of this C code?

main()

{

int i=9;

if(i==9)

{

int i=25;

}

printf(“%d”, i);

}

Ans:- 9