

C-Lab-Day-7

1) Which library should be included to use input/output functions in C?

A) `stdio.h`

b) `math.h`

c) `string.h`

d) `stdlib.h`

Ans:

a) `stdio.h`

2) What is the purpose of the `printf()` function?

A) Read input from the user

b) Write output to the console

c) Perform mathematical calculations

d)Allocate memory dynamically

Ans:

b)Write output to the console

3)Which format specifier is used to print an integer value in decimal format?

a)%d

b)%f

c)%c

d)%s

Ans:

a)%d

4)What is the purpose of the scanf() function?

a)Display text on the console

b)Read input from the user

c)Perform arithmetic operations

d)Compare two strings

Ans:

b)Read input from the user

5)The format identifier ‘%i’ is also used for _ datatype?

a)char

b)int

c)float

d)double

Ans:

d)double

6)

Which format specifier is used to read a character using scanf()?

a)%d

b)%f

c)%c

d)%s

Ans:

c)%c

7)What is the output of this program?

```
int main()
{
int x = 1, y = 2;
printf("%d", x, y);
return 0;
}
```

a)1

b)2

c)Compilation Error

d)Garbage Value

Ans:

a)1

8)What is the output of the following code?

```
int main() {  
    int i=1;  
    i=2+2*i++;  
    printf("%d",i);  
    return 0;  
}
```

a)2

b)3

c)4

d)5

Ans:

d)4

9)

What is the output of this program?

```
main()
{
int i;
i = 2+3, 4>3, 1;
printf( "%d" , i);
}
```

a) 1

b) 4

c) 3

d) 5

Ans:

a)5

10)What is the output of this program?

```
main ( )  
{  
int i=5;  
printf( “%d %d %d ” , i,i<<2,i<<2);  
}
```

a) 5 20 1

b) 5 1 20

c) 5 20 20

d) 5 1 1

Ans:

c)c

11)

What is the output of this program?

```
int main()
{
int i=5;
printf( “%d %d %d ” , i,i<2,i>2);
return 0;
}
```

a)Compilation error

b)Garbage value

c)5 0 1

d)5 1 0

Ans:

c)5 0 1

12) What is the output of this program ?

```
int main()
{
```



```

int i=5;
printf( "%d %d %d " , i,i&&2,i||2);
return 0;
}

```

a) 5 1 1

b) Compilation error

c) Garbage value

d) 5 0 1

Ans:

a)5 1 1

13)What is the output of this program 32 bit c compiler ?

```

int main()
{
int i=1;
i=i+i*i++;
printf("%d",i);
return 0;
}

```

}

a) 2

b) 3

c) 4

d) 5

Ans:

a)2

14)What will be the output of the following C code?

```
int main() {  
    int x = 10;  
    printf("%d", printf("%d", x));  
  
    return 0;  
}
```

a) 10

b) 1

c) 2

d) ERROR

Ans:

d)Error

15)

What is the value of a after executing the following code?

```
int a = 5;
```

```
a += 3 * 2;
```

A.11

B.16

C.30

D.15

E.14

Ans:

a)11

16)

```
int main() {  
    int a = 10, b = 20, c = 10;  
    int result = (a > b) || (b == c) && (c != a);  
    printf("result = %d\n", result);  
    return 0;  
}
```

A. result = 0

B. result = 1

C. result = 2

D. result = 3

E. result = 4

Ans:

a)result=0

17)

```
int main() {  
    int a = 3;  
    int b = 4;  
    int result = (a += b) * (b -= 2);  
    printf("result = %d\n", result);  
    return 0;  
}
```

A.result = 10

B.result = 12

C.result = 15

D.result = 14

E.result = 16

Ans:

D)result=14

18)

What will be the output of the following C code?

```
void main()
```

```
{
```

```
int x = 4, y, z;  
y = --x;  
z = x--;  
printf("%d%d%d", x, y, z);  
}
```

a) 3 2 3

b) 2 3 3

c) 3 2 2

d) 2 3 4

Ans:

b) 2 3 3

19)

What will be the output of the following C code?

```
void main()  
{  
    int a = 5, b = - 7, c = 0, d;  
    d = ++a && ++b || ++c;
```

```
    printf("\n%d%d%d%d", a, b, c, d);  
}
```

a) 6 -6 0 0

b) 6 -5 0 1

c) -6 -6 0 1

d) 6 -6 0 1

Ans:

d) 6 0 1

20) What will be the output of the following C code?

```
void main()  
{  
    int a = -5;  
    int k = (a++, ++a);  
    printf("%d\n", k);  
}
```

a) -4

b) -5

c) 4

d) -3

Ans:

d)-3