

Question **1**

Incorrect

Mark 0.00 out of 1.00

Flag question

Consider that the followings statements are used in a program.

(i) `sizeof(int);`

(ii) `sizeof(int*);`

(iii) `sizeof(int**);`

Assuming size of pointer is 4 bytes and size of int is also 4 bytes, which of the following is true?

- ☐ a. Only (i) would compile successfully and it would return size as 4.
- ☐ b. (i), (ii) and (iii) would compile successfully and size of each would be same i.e. 4.
- ☒ c. (ii) and (iii) would result in compile error but (i) would compile and result in size as 4. ✖
- ☐ d. (i), (ii) and (iii) would compile successfully but the size of each would be different and would be decided at run time.

Your answer is incorrect.

The correct answer is:

(i), (ii) and (iii) would compile successfully and size of each would be same i.e. 4.

Match the following with respect to the following program segment:

```
int x[3][5] = {{1,2,3,4,5}, {6,7,8,9,10}, {11,12,13,14,15}}, *n=&x;
```

*n	1	✓
*(x+2)+5	9	✗
*(x)+2) +1	7	✗
*(n+3) +1	Choose...	
*(x+1) +3)	Choose...	

Your answer is partially correct.

You have correctly selected 1.

The correct answer is:

- *n → 1,
- *(x+2)+5 → 8,
- *(x)+2) +1 → 4,
- *(n+3) +1 → 5,
- *(x+1) +3) → 9

Question **3**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Which of the following gives the memory address of the first element in array foo, an array with 100 elements?

- ☐ a. foo
- ☐ b. foo[1]
- ☒ c. &foo
- ☐ d. foo[0]



Your answer is correct.

The correct answers are:

foo,

&foo

Question **4**

Correct

Mark 1.00 out of
1.00

🚩 Flag question

Consider the following program

```
int incr(int i)
{
    static int count = 0;
    count = count + i;
    return (count);
}
int main()
{
    int i,j;
    for (i = 0; i <=4; i++)
        j = incr(i);
    return 0;
}
```

What is the value of j at the end of the execution of the following C program ?

- ☒ a. 10
- ☐ b. 4
- ☐ c. 6
- ☐ d. None of the above.



Your answer is correct.

The correct answer is:

10

Question **5**

Incorrect

Mark 0.00 out of
1.00

🚩 Flag question

What is the return type of malloc() ?

- ☐ a. void **
- ☐ b. int *
- ☒ c. Pointer of allocated memory type
- ☐ d. void *



Your answer is incorrect.

The correct answer is:

void *

Question **6**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

What is the output of the below code snippet?

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

```
int main()
```

```
{
```

```
    for()
```

```
    printf("Hello");
```

```
    return 0;
```

```
}
```

- ☐ a. No output
- ☐ b. Infinite loop
- ☐ c. Prints "Hello" once.
- ☒ d. Compile error



Your answer is correct.

The correct answer is:

Compile error

Question **7**

Incorrect

Mark 0.00 out of 1.00

🚩 Flag question

What will be the output produced by the following C code:

```
#include<stdio.h>
int main()
{
    int array[2][2] = {{1,2},{-1,-1}};
    printf("%d", ((array == *array) && (*array == array[0]) ));
    return 0;
}
```

- ☒ a. 0
- ☐ b. Compile error
- ☐ c. 1
- ☐ d. None of these



Your answer is incorrect.

The correct answer is:

1

Question **8**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

What is the return type of the function with prototype: "int func(char x, float v, double t);"

- ☐ a. char
- ☒ b. int
- ☐ c. float
- ☐ d. double



Your answer is correct.

The correct answer is:

int

Question **9**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Which of the following is a valid function call (assuming the function exists)?

- ☐ a. funct;
- ☐ b. funct x, y;
- ☒ c. funct();
- ☐ d. int funct();



Your answer is correct.

The correct answer is:
funct();

Question **10**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Consider the function

```
int func(int num)
```

```
{
```

```
int count = 0;
```

```
while(num) {
```

```
count++;
```

```
num >>= 1;
```

```
}
```

```
return(count);
```

```
}
```

For func(435) the value returned is ?

☐ a. 0

☐ b. 7

☐ c. 8

☒ d. 9



Your answer is correct.

The correct answer is:

9