



# Talent Transformation (2019)

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**Started on** Tuesday, 28 August 2018, 1:41 PM

**State** Finished

**Completed on** Tuesday, 28 August 2018, 1:51 PM

**Time taken** 9 mins 35 secs

**Grade** 7.00 out of 10.00 (70%)

## Question 1

Correct

Mark 1.00 out of 1.00

Flag question

What will be the output of the program ?

```
#include<stdio.h>
int main()
{
    char *p;
    p="%d\n";
    p++;
    p++;
    printf(p-2, 23);
    return 0;
}
```

Select one:

- ☐ a. Error
- ☐ b. No output
- ☒ c. 23 ✓
- ☐ d. 21

The correct answer is: 23

## Question 2

Incorrect

Mark 0.00 out of 1.00

Flag question

Point out the error in the program?

```
#include<stdio.h>
/* Assume there is a file called 'file.c' in c:\tc directory. */
int main()
{
    FILE *fp;
    fp=fopen("c:\tc\file.c", "r");
    if(!fp)
```

```
printf("Unable to open file.");  
fclose(fp);  
return 0;  
}
```

Select one:

- ☐ a. Output: Unable to open file.
- ☐ b. None of above
- ☒ c. No error, No output. ❌
- ☐ d. Program crashes at run time.

## Explanation:

The path of file name must be given as "c:\tc\file.c"

The correct answer is: Output: Unable to open file.

### Question 3

Correct

Mark 1.00 out of  
1.00

🚩 Flag question

Point out the error in the program?

```
#include<stdio.h>  
int main()  
{  
FILE *fp;  
fp=fopen("trial", "r");  
fseek(fp, "20", SEEK_SET);  
fclose(fp);  
return 0;  
}
```

Select one:

- ☐ a. Error: unrecognised Keyword SEEK\_SET
- ☒ b. Error: fseek() long offset value ✔️
- ☐ c. None of above
- ☐ d. No error

## Explanation:


Instead of "20" use 20L since fseek() need a long offset value.

The correct answer is: Error: fseek() long offset value

**Question 4**

Incorrect

Mark 0.00 out of 1.00

 Flag question

In a file contains the line "I am a boy\r\n" then on reading this line into the array str using fgets(). What will str contain?

Select one:

- ☐ a. "I am a boy\r\n\0"
- ☐ b. "I am a boy"
- ☒ c. "I am a boy\r\0" ❌
- ☐ d. "I am a boy\n\0"

## Explanation:

Declaration: char \*fgets(char \*s, int n, FILE \*stream);

fgets reads characters from stream into the string s. It stops when it reads either n - 1 characters or a newline character, whichever comes first.


Therefore, the string str contain "I am a boy\n\0"

The correct answer is: "I am a boy\n\0"

**Question 5**

Correct

Mark 1.00 out of 1.00

 Flag question

Point out the error/warning in the program?

```
#include<stdio.h>
int main()
{
    unsigned char ch;
    FILE *fp;
    fp=fopen("trial", "r");
    while((ch = getc(fp))!=EOF)
    printf("%c", ch);
    fclose(fp);
    return 0;
}
```

Select one:

- ☐ a. Error: while statement
- ☐ b. No error
- ☐ c. It prints all characters in file "trial"
- ☒ d. Error: in unsigned char declaration ✔️

## Explanation:

Here, EOF is -1. As 'ch' is declared as unsigned char it cannot deal with any negative value.

The correct answer is: Error: in unsigned char declaration

### Question 6

Incorrect

Mark 0.00 out of  
1.00

🚩 Flag question

In which order do the following gets evaluated

- 1.Relational
- 2.Arithmetic
- 3.Logical
- 4.Assignment

Select one:

- ☒ a. 4321 ❌
- ☐ b. 1234
- ☐ c. 3214
- ☐ d. 2134

## Explanation:

2. Arithmetic operators: \*, /, %, +, -

1. Relational operators: >, <, >=, <=, ==, !=

3. Logical operators : !, &&, ||

4. Assignment operators: =

The correct answer is: 2134

### Question 7

Correct

Mark 1.00 out of  
1.00

🚩 Flag question

What will be the output of the program?

```
#include<stdio.h>
int main()
{
    int i=2;
    printf("%d, %d\n", ++i, ++i);
    return 0;
}
```

Select one:

- ☐ a. 3, 4
- ☐ b. 4, 3
- ☐ c. 4, 4
- ☒ d. Output may vary from compiler to compiler ✔️

## Explanation:

The order of evaluation of arguments passed to a function call is unspecified. Anyhow, we consider ++i, ++i are Right-to-Left associativity. The output of the program is 4, 3.

In TurboC, the output will be 4, 3.


In GCC, the output will be 4, 4.

The correct answer is: Output may vary from compiler to compiler

### Question 8

Correct


Mark 1.00 out of 1.00

 Flag question

What will be the output of the program?

```
#include<stdio.h>
int main()
{
    int a=100, b=200, c;
    c = (a == 100 || b > 200);
    printf("c=%d\n", c);
    return 0;
}
```

Select one:

- ☐ a. c=300
- ☐ b. c=100
- ☒ c. c=1 
- ☐ d. c=200

## Explanation:

Step 1: int a=100, b=200, c;

Step 2: c = (a == 100 || b > 200);

becomes c = (100 == 100 || 200 > 200);

becomes c = (TRUE || FALSE);

becomes c = (TRUE);(ie. c = 1)

Step 3: printf("c=%d\n", c); It prints the value of variable i=1


Hence the output of the program is '1'(one).

The correct answer is: c=1

### Question 9

Correct

Mark 1.00 out of 1.00

 Flag question

What will be the output of the program if the array begins 1200 in memory?

```
#include<stdio.h>
int main()
{
    int arr[]={2, 3, 4, 1, 6};
    printf("%u, %u, %u\n", arr, &arr[0], &arr);
    return 0;
}
```

Select one:

- ☒ a. 1200, 1200, 1200 ✓
- ☐ b. 1200, 1202, 1204
- ☐ c. 1200, 1202, 1200
- ☐ d. 1200, 1204, 1208

## Explanation:

Step 1: `int arr[]={2, 3, 4, 1, 6};` The variable `arr` is declared as an integer array and initialize

Step 2: `printf("%u, %u, %u\n", arr, &arr[0], &arr);` Here,

The base address of the array is 1200.

=> `arr, &arr` is pointing to the base address of the array `arr`.

=> `&arr[0]` is pointing to the address of the first element array `arr`. (ie. base address)

Hence the output of the program is 1200, 1200, 1200

The correct answer is: 1200, 1200, 1200

### Question 10

Correct

Mark 1.00 out of  
1.00

🚩 Flag question

What will be the output of the program ?

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

```
int main()
```

```
{
```

```
static int a[2][2] = {1, 2, 3, 4};
```

```
int i, j;
```

```
static int *p[] = {(int*)a, (int*)a+1, (int*)a+2};
```

```
for(i=0; i<2; i++)
```

```
{
```

```
for(j=0; j<2; j++)
```

```
{
```

```
printf("%d, %d, %d, %d\n", (*(p+i)+j), (*(j+p)+i),
```

```
*(*(i+p)+j), *(*(p+j)+i));
```

```
}
```

```
}
```

```
return 0;
```

```
}
```

Select one:

- ☐ a. 1, 2, 1, 2  
2, 3, 2, 3  
3, 4, 3, 4  
4, 2, 4, 2
- ☒ b. 1, 1, 1, 1  
2, 2, 2, 2  
2, 2, 2, 2  
3, 3, 3, 3 ✓

- ☐ c. 1, 2, 3, 4  
2, 3, 4, 1  
3, 4, 1, 2  
4, 1, 2, 3
- ☐ d. 1, 1, 1, 1  
2, 3, 2, 3  
3, 2, 3, 2  
4, 4, 4, 4

The correct answer is: 1, 1, 1, 1  
2, 2, 2, 2  
2, 2, 2, 2  
3, 3, 3, 3

Finish review

#### QUIZ NAVIGATION

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