

Q1: what is the output of the following C program fragment:

```
#include <stdio.h>

int main() {
    printf("%d", printf("%s", "Hello World!"));
    return 0;
}
```

- %s is used to print “string of characters.”
- Printf not only prints the content on the screen. It also returns the number of characters that it successfully prints on the screen.

Q2: what is the output of the following C program fragment:

```
int main() {  
    printf("%10s", "Hello");  
    return 0;  
}
```



Start here x questions-answers-set1.c x

```

1  #include <stdio.h>
2
3  int main() {
4      printf("%s\n", "Hello");
5      printf("%10s", "Hello");
6      return 0;
7  }
8

```

"C:\Users\jaspr\Downloads\C programs of dennis ritchie\questions-answers-set1.exe"

Hello

 Hello

Process returned 0 (0x0) execution time : 0.385 s

Press any key to continue.

Logs & others

Code::Blocks x Search results x Cccc x Build log x

File	L...	Message
		=== Build file: "no target" in "no pr
		=== Build finished: 0 error(s), 0 wa

Q3: what is the output of the following C program fragment:

```
int main() {  
    char c = 255;  
    c = c + 10;  
    printf("%d", c);  
    return 0;  
}
```

- a) 265
- b) Some character according to ASCII table
- c) 7
- ☒ d) 9

Q4: Which of the following statement/statements is/are correct corresponding to the definition of integer :

- I. signed int i;
- II. signed i;
- III. unsigned i;
- IV. long i;
- V. long int i;
- VI. long long i;

- a) Only I and V are correct
- b) Only I is correct
- ☒ c) All are correct
- d) Only IV, V, VI are correct

Because integer is implicitly assumed.

Q5: What does the following program fragment prints?

```
int main() {  
    unsigned i = 1;  
    int j = -4;  
    printf("%u", i+j);  
    return 0;  
}
```

- a) garbage
- b) -3
- ☒ c) Integer value depends from machine to machine
- d) None of the above

-3 in 2s complement representation:

Step 1: Take 1s complement of 3

3 = 00000000 00000000 00000000 00000011

1s complement of 3 = 11111111 11111111 11111111 1111100

Step 2: Add 1 to the result. It will give

11111111 11111111 11111111 1111101 = 4294967293 (on my computer)