Data types

Due No due date Points 0 Questions 10 Time Limit None

Instructions

For all the questions assume that these are bit sizes:

- byte is 8 bits
- · short is 2 bytes
- int is 4 bytes
- long is 8 bytes
- long long is 8 bytes
- float is 4 bytes
- · double is 8 bytes
- · char is signed by default

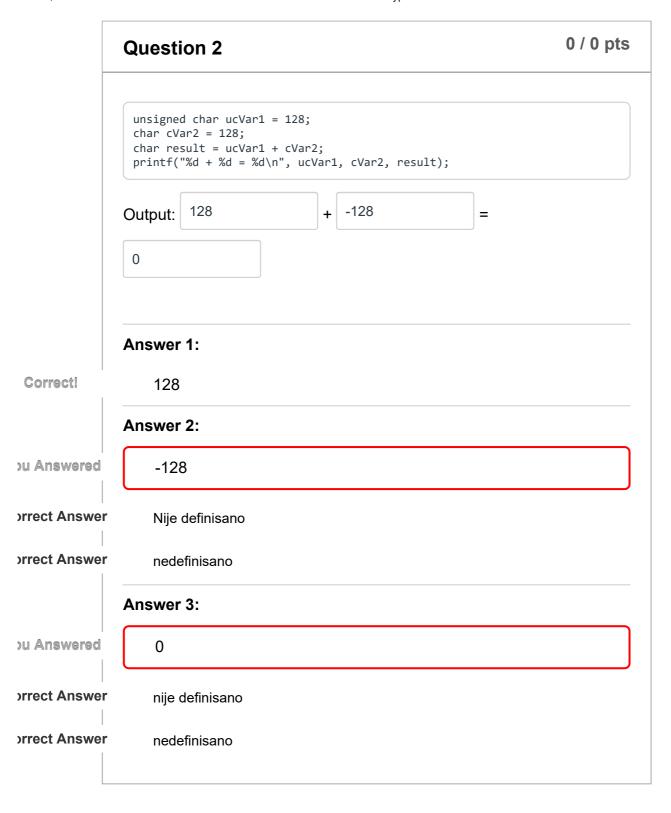
Attempt History

Correct!

	Attempt	Time	Score
LATEST	Attempt 1	16 minutes	0 out of 0

Submitted Mar 30 at 10:57am





```
Question 3

O / 0 pts

int iVar1 = 2147483647;
int iVar2 = -2147483648;
result = iVar1 - iVar2;
printf("%d - %d = %d\n", iVar1, iVar2, result);

Output: 2147483647

- -2147483648 = -1
```

Answer 1:

Correct!

2147483647

Answer 2:

Correct!

-2147483648

Answer 3:

ou Answered

-1

orrect Answer

nedefinisano

orrect Answer

nije definisano

Question 4

0 / 0 pts

```
char c = -1;
if (c > 0)
{
    printf("This is unsigned number\n", c);
}
else
{
    printf("This is signed number\n", c);
}
```

This is unsigned number

Correct!

This is signed number

Question 5

0 / 0 pts

```
unsigned int i = 5;
int j = -20;
if (i + j > 5)
{
    printf(">5 = %d\n", i + j);
}
```

```
else
{
   printf("<5 = %d\n", i + j);
```

Output: | >5 -15

Answer 1:

Correct!

>5

Answer 2:

ou Answered

-15

orrect Answer

nedefinisano

orrect Answer

Correct!

nije definisano

0 / 0 pts **Question 6** int16_t i16a = 30000; $int16_t i16b = 30000;$ $int32_t i32x = i16a + i16b;$ printf("Result is %"PRId32" \n", i32x); Output: Result is [broj] 60000 **orrect Answers** 60000

```
0 / 0 pts
Question 7
 uint16_t u16a = 300000;
 uint16_t u16b = 300000;
```

```
uint32_t u32x = u16a + u16b;
                 printf("Result is %"PRIu32" \n", u32x);
                Испис: Result is [broj]
 Correct!
                      75712
orrect Answers
                    75712
```

```
0 / 0 pts
                Question 8
                 float fVal = -5.0;
                 double dVal;
                 int iVal = -7;
                 unsigned long ulVal = 1000;
                 dVal = iVal * ulVal;
                 printf("iVal * ulVal = %lf\n", dVal);
                 dVal = iVal + fVal;
                 printf("ulVal + fVal = %lf\n", dVal);
                                          not -5000.0
                Output 1: iVal * ulVal =
                Output 2: ulVal + fVal =
                Answer 1:
ou Answered
                     not -5000.0
orrect Answer
                     18446744073709545472.0
orrect Answer
                    18446744073709545472,0
orrect Answer
                     18446744073709545472.000000
                Answer 2:
ou Answered
                     -12.0
orrect Answer
                    995.0
orrect Answer
                    995.000000
https://canvas.instructure.com/courses/4450439/quizzes/10592859
```

Correct!



Question 10 float fNumber = 1.1; double dNumber = 1.1; if (fNumber == dNumber) { printf("Float and Double are equal\n"); } else { printf("Float and Double are NOT equal\n"); } Float and Double are equal "Float and Double are NOT equal