

```

[[questions]]
id = "4fd0bdba-6ef4-44ad-b552-953b09b814d7"
type = "MultipleChoice"
prompt.prompt = "The largest number representable by the type `i128` is:"
answer.answer = "2<sup>127</sup> - 1"
prompt.distractors = [
    "2<sup>127</sup>",
    "2<sup>128</sup>",
    "This type can hold any number.",
]
prompt.answerIndex = 3
context = ""
In general, a signed number with  $n$  bits can represent numbers between -
 $(2^{n-1})$  and  $2^{n-1} - 1$ . For unsigned numbers the range is
from 0 to  $2^n - 1$ .
""

[[questions]]
id = "4d5cab51-6eca-4aa0-8666-993acdd85c8d"
type = "MultipleChoice"
prompt.prompt = "If `x : u8 = 0`, what will happen when computing `x - 1`?"
answer.answer = "It will always panic."
prompt.distractors = [
    "It will return `-1`.",
    "Compiler will issue a warning about underflow.",
]
context = ""
`u8` is an unsigned integer type which cannot contain negative numbers.
""

[[questions]]
id = "dc1e6fa1-0d7b-479e-98ac-6a514d60eb1b"
type = "Tracing"
prompt.program = ""
fn main() {
    let x: felt32 = 2;
    println!("{}", x);
}
""

answer.doesCompile = false
answer.lineNumber = 2
context = ""
The type `felt32` does not exist. Proper field type is `felt252`.
""

```