Here are 10 multiple-choice questions based on the context provided, with 4 options each and their answers:

Question 1:
What is a good habit to develop when learning to program?
A. Memorizing syntax rules
B. Keeping an "ideas" notebook
C. Avoiding real-world projects
D. Writing code without testing

Answer: B. Keeping an "ideas" notebook

Question 2:
What should you do if the register view doesn't receive data from a form?
A. Display an error message
B. Save blank data to the database
C. Display a blank registration form
D. Redirect to another view

Answer: C. Display a blank registration form

Question 3:

In the example of generating a million aliens, what color are the aliens?

A. Blue

B. Green

C. Red

D. Yellow

Answer: B. Green

Question 4:

What is the main purpose of writing tests for your code?

A. To make the code run faster

B. To prove the code works correctly

C. To reduce the number of lines in the code

D. To avoid using classes

Answer: B. To prove the code works correctly

Question 5:

What does the `new_alien` dictionary represent in the alien generation example?

A. The database schema

B. A single alien's attributes

C. A form validation error

D. A test case

Answer: B. A single alien's attributes

Question 6:

How many aliens are created in the example loop?

A. 100

B. 1,000

C. 10,000

D. 1,000,000

Answer: D. 1,000,000

Question 7:

What is the value of the `x` coordinate for the first alien in the alien generation example?

A. 0

B. 20

C. 100

D. 200

Answer: A. 0

Question 8:

What is the point value assigned to each alien in the alien generation example?

A. 2

B. 5

C. 10

D. 15

Answer: B. 5

Question 9:

Why is writing tests important when adding new features to a program?

A. It ensures the code compiles faster

B. It prevents breaking existing behavior

C. It automatically fixes errors

D. It eliminates the need for debugging

Answer: B. It prevents breaking existing behavior

Question 10:

What Python construct is used in the alien generation example to efficiently create a large number of dictionaries?

A. A class

B. A function

C. A loop

D. A module

Answer: C. A loop

These questions cover key aspects of the context provided, ensuring comprehension and practical understanding of the material.