テー Rood Basics of Rust programming		
■ Basic of Rust programming     Gnded Quit - 30 min	coursera	⊕ English ✓ Due Jan 7, 11:59 PM PST
<b>☞ Congratulations! You passed!</b> Grade received 100% Latest Submission Grade 100% To pass 80% or higher		
Quiz		
Basics បក្សី Rust programming		
Review Learning Objectives		
1. What is Rust?		1/1 point
Sub-nitryoidrus\hatesquage\fordocument formatting  Due		
A scripting language for automation tasks		
Try again  Anystems programming language focused on safety and performance  Correct		
Receive grand: Rust is a systems programming language that prioritizes safety and performance.		
To Pass 80% or higher		
<b>Yaur grade</b> : the purpose of the break and continue statements in Rust? $100\%$ Or control the flow of loops		1/1point
○ To define functions and procedures in Rust		
View Feedback To handle error conditions during runtime We keep your highest zone		
We keep on the phet score of t		
Currect! The break statement is used to exit a loop, and the continue statement is used to skip the rest of the current iteration and move to the next one.		
3. What does the borrowing concept in Rust refer to?		1/1 point
Cloning data structures for efficient memory usage     Borrowing immutable or mutable references to data		
Creating temporary variables for code optimization		
Sharing mutable references to data  Correct		
Correct! The borrowing concept in Rust refers to the practice of borrowing immutable or mutable references to data instead of taking ownership.		
4. What is the purpose of using panic to stop a program in Rust?		1/1 point
To release allocated memory resources To catch and handle exceptions during runtime		
To handle errors gracefully and continue program execution		
To abort program execution and display an error message		
<ul> <li>Correct         Correct Using panic in Rust will immediately stop program execution and display an error message.     </li> </ul>		
5. What is the role of match control flow statement in Rust?		1/1 point
Controlling the execution flow of loops		
Handling errors and exceptions during program execution		
Defining the syntax and structure of functions in Rust     Evaluating multiple conditions and selecting the first matching pattern		
⊙ Correct		
Correct! The match control flow statement in Rust evaluates multiple conditions and selects the first matching pattern.		
6. What is the purpose of the while loop in Rust?		1/1 point
Executing a block of code a specific number of times		
Uterating over a range of values		
Breaking out of a loop based on a condition     Performing an action repeatedly as long as a condition is true		
<ul> <li>Correct</li> <li>Correct The purpose of the while loop in Rust is to perform an action repeatedly as long as a condition is true.</li> </ul>		
Correct: the purpose of the white toop in russ is a perioriti an action repeatedly as long as a condition is title.		
7. What does it mean for a variable to be shadowed in Rust?		1/1 point
Assigning a new value to an immutable variable		
Creating a new variable with the same name as an existing one     Marking a variable as unused and optimizing it away		
Marking a variable as unused and optimizing it away Hiding the variable from the program's memory		
Correct Correct Shadowing a variable in Rust involves creating a new variable with the same name as an existing one, effectively "shadowing" the previous value.		
дото типино питуть липе инпорияция, спеситсу значиний инс ристона чаше.		
8. What is the purpose of the if/else expression in Rust?		1/1 point
Creating named functions with branching logic		
Conditional branching based on a boolean expression     Defining the syntax and structure of loops in Rust		
Handling errors and exceptions during program execution		

© Correct
Correct: The purpose of the II/else expression in Rust is to perform conditional branching based on a boolean expression. 9. What is the purpose of using arguments in Rust functions? 1/1 point Enabling At-powered code suggestions and completions
 Optimizing memory allocation and usage
 Defining the visibility and access level of functions
 Passing data to functions for processing and computation © Correct
Correct! The purpose of using arguments in Rust functions is to pass data to functions for processing and computation.

10. What is the purpose of the return values in Rust functions? 1/1 point O Controlling the flow of execution within a function Enabling Al pair-programming capabilities
 Determining the number of iterations in a loop
 Providing a result or output from a function to the caller

Correct Correct! The purpose of return values in Rust functions is to provide a result or output from a function to the caller.