

BDPA Python Multiple Choice Test

Question	Question
<p>1) What is a variable in terms of Python the programming language?</p> <p>a) <i>A repeatable series of lines of code that does something.</i></p> <p>b) <i>A place to hold information which could be one of several types.</i></p> <p>c) <i>A note to yourself inside of a file that doesn't affect anything else in the code.</i></p> <p>d) <i>Only a number.</i></p>	<p>2) What is a string in terms of Python the programming language?</p> <p>a) <i>A piece of rope.</i></p> <p>b) <i>A series of characters which could include a word or sentence or emojis surrounded by quotes "".</i></p> <p>c) <i>A series of numbers one after another with no quotes surrounding it.</i></p> <p>d) <i>A series of letters with no quotes surrounding it.</i></p>
<p>3) What is an integer in terms of Python the programming language?</p> <p>a) <i>A whole number with no decimal place value (example: 10)</i></p> <p>b) <i>A number with a decimal place value (example: 1.12)</i></p> <p>c) <i>A variable which is either True or False.</i></p> <p>d) <i>A series of pairs of keys and their value that go along with it.</i></p>	<p>4) What is a float in terms of Python the programming language?</p> <p>a) <i>A whole number with no decimal place value (example: 10)</i></p> <p>b) <i>A number with a decimal place value (example: 1.12)</i></p> <p>c) <i>A variable which is either True or False.</i></p> <p>d) <i>A series of pairs of keys and their value that go along with it.</i></p>
<p>5) What is a boolean in terms of Python the programming language?</p> <p>a) <i>A whole number with no decimal place value (example: 10)</i></p> <p>b) <i>A number with a decimal place value (example: 1.12)</i></p> <p>c) <i>A variable which is either True or False.</i></p> <p>d) <i>A series of pairs of keys and their value that go along with it.</i></p>	<p>6) What is a dictionary in terms of Python the programming language?</p> <p>a) <i>A whole number with no decimal place value (example: 10)</i></p> <p>b) <i>A number with a decimal place value (example: 1.12)</i></p> <p>c) <i>A variable which is either True or False.</i></p> <p>d) <i>A series of pairs of keys and their value that go along with it.</i></p>
<p>7) What is a list in terms of Python the programming language?</p> <p>a) <i>Code someone else wrote which you reference to give Python extra abilities</i></p> <p>b) <i>A place where you can go and checkout programming books.</i></p> <p>c) <i>A way of storing any type of data in a way that is fast and efficient to access.</i></p> <p>d) <i>A series of variables separated by commas in between an opening and closing bracket [].</i></p>	<p>8) What is a Library in terms of Python the programming language?</p> <p>a) <i>Code someone else wrote which you reference to give Python extra abilities.</i></p> <p>b) <i>A place where you can go and checkout programming books.</i></p> <p>c) <i>A way of storing any type of data in a way that is fast and efficient to access.</i></p> <p>d) <i>A section of code that does something that can be used over and over again.</i></p>
<p>9) What is a database?</p> <p>a) <i>Code someone else wrote which you reference to give Python extra abilities.</i></p> <p>b) <i>A section of code that does something that can be used over and over again.</i></p> <p>c) <i>A way of storing any type of data in a way that is fast and efficient to access.</i></p> <p>d) <i>A repeated block of code that will continue until a specific something happens (a condition is met)</i></p>	<p>10) What is a function in terms of Python the programming language?</p> <p>a) <i>A repeated block of code that will continue until a specific something happens (a condition is met)</i></p> <p>b) <i>A section of code that does something that can be used over and over again.</i></p> <p>c) <i>A way of storing any type of data in a way that is fast and efficient to access.</i></p> <p>d) <i>Code someone else wrote which you reference to give Python extra abilities.</i></p>

Question	Question
<p>11) What is a while loop in terms of Python the programming language?</p> <p>a) <i>A section of code that does something that can be used over and over again.</i></p> <p>b) <i>A way of storing any type of data in a way that is fast and efficient to access.</i></p> <p>c) <i>Code someone else wrote which you reference to give Python extra abilities.</i></p> <p>d) <i>A repeated block of code that will continue until a specific something happens (a condition is met)</i></p>	<p>12) What's wrong with this piece of Python code given the error?</p> <p>Python:</p> <pre>print("Hello, Worrrld!")</pre> <p>Error:</p> <pre>File "~/test.py", line 1 print("Hello Worrrld!") ^ SyntaxError: '(' was never closed</pre> <p>a) <i>The word "World" is misspelled and this is causing the error.</i></p> <p>b) <i>A print statement can only print out numbers, not letters.</i></p> <p>c) <i>There is a missing import at the beginning of the file.</i></p> <p>d) <i>There is a missing closing parenthesis ")" at the end and this is causing the error.</i></p>
<p>13) What is pseudocode in terms of Python the programming language?</p> <p>a) <i>A section of code that does something that can be used over and over again.</i></p> <p>b) <i>Code that will not do anything other than describe what a program or a part of a program will do.</i></p> <p>c) <i>A repeated block of code that will continue until a specific something happens (a condition is met)</i></p> <p>d) <i>A way of storing any type of data in a way that is fast and efficient to access.</i></p>	<p>14) What is the symbol for addition in Python?</p> <p>a) +</p> <p>b) -</p> <p>c) *</p> <p>d) /</p> <p>15) What is the symbol for subtraction in Python?</p> <p>a) +</p> <p>b) -</p> <p>c) *</p> <p>d) /</p>
<p>16) What is the symbol for multiplication in Python?</p> <p>a) +</p> <p>b) -</p> <p>c) *</p> <p>d) /</p> <p>17) What is the symbol for division in Python?</p> <p>a) +</p> <p>b) -</p> <p>c) *</p> <p>d) /</p>	<p>18) What is GitHub?</p> <p>a) <i>A service where the only thing you do is learn lessons on programming.</i></p> <p>b) <i>A social media platform where you message employers and apply to jobs.</i></p> <p>c) <i>A place to post and share videos.</i></p> <p>d) <i>A service that lets you manage your projects, their versions, and collaborate with others on projects.</i></p>

19) In your own words list three possible uses of generative AI like ChatGPT: