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Chapter - 9 (Loops in Python)

D. Short Answers.

Q1. Define Infinite loop.

Ans If the condition given in a loop never becomes false, then the loop will never terminate and run indefinitely. This type of loop is called an infinite loop.

Q2. What is the purpose of the range() function in Python loop?

Ans The range() function is an in-built function of python. This function generates a list which is a sequence type.

Q3. Explain briefly the two jump statements used in Python.

Ans {The continue statement}

★ The continue statement is used inside loop.

Eg :-

~~the~~ loop statements
continue

the code to be skipped.

The Break Statement

★ The break is a keyword in Python which is used for sending the program control out of the loop.

Eg :-

loop statement
break

E. long answers

Q1. Define looping statement. Why do we use looping statements in Python?

Ans The statements that are used to repeat a set of instructions are called iterative or looping statements. Looping statements are very useful and necessary for developing application.

Sometimes, you need to repeat a task multiple times, or you may need to repeat the task either a certain number of times or until a condition is satisfied, in this case we use ~~the~~ looping statement in python.

Q2 What is the purpose of the range() function in python loops?

Ans The range() function is an in-built function of python. This function generates a list which is a sequence type. A sequence is a succession of values bound together by a single name.

The general syntax of using the range() function is given below:-

1. Range(n): Generates a set of whole numbers starting from 0 to $(n-1)$.
 2. Range(stop, start): Generates a set of whole number starting from 'start' to 'stop-1'.
 3. Range(start, stop, step, size): We can generate numbers by specifying the values of step size according to our requirements.
- Q3. Differentiate between for loop and while loop.

Ans

For loop

While loop

- for
1. The loop is a type of iterative statement that allows the users to repeat a set of statements multiple times until a given

The while statements executes a set of statements repeatedly, as long as the logical expression evaluates to true.

condition is satisfied.

2. The for loop is commonly used when the number of iterations is known in advance or when iterating over a sequence, such as a list, string, tuple or a range

3. When the condition becomes false, the control comes out of the loop.

~~Ans~~
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Chapter - 8 App Development

Short Answers →

Q1. Name the three most popular app stores.

Ans 1) Google's Play store,
2) Apple's App Store,
3) Microsoft store.

Q2. Explain the term "IOS".

Ans iOS (formerly iPhone OS) is also a popular operating system development by Apple Inc. for its hand-held devices such as iPhone and iPad.

Q3. Mention the use of utility apps.

Ans Utility apps allow us to do our daily tasks such as booking a cab, booking a railway, sharing files and etc.

Q4. Explain the significance of communication apps.

- Ans.
- ① Communication apps allow us to communicate with each other by sending and receiving messages.
 - ② These apps also allow us to see the face of the people whom we are talking.
 - ③ Eg: Skype, Google Meet.

Long Answers

Q1. Write the steps to download and install an app.

Ans. Steps to download and install an app:-

- ① Tap on the Play store icon of your Android mobile.
- ② Type the name of the app or related keyword in the search for apps & games box at the top.
- ③ Tap on the app you want to install.
- ④ Tap on the install button.
- ⑤ Tap on the open button to open and use the app.

Q2. Differentiate between Desktop app and Mobile app.

Ans. Desktop Apps

Mobile Apps.

- | | |
|---|--|
| 1. The application that is mainly developed for computer or laptop is called a desktop app. | 1. It is software program that is developed for hand-held devices. |
| 2. It is usually developed for a particular | 2. These apps are installed and run on the device itself. |
| 3. Eg: Paint, Notepad, and Word. | 3. Eg: Snapchat, WhatsApp, Etc. |

Q3. What are e-commerce apps? Give examples.

Ans E-commerce means to buy or sell products on an online service over the internet. e-commerce apps allow us to buy or sell products while sitting at home or any other place. Amazon is leading online market place which provides an excellent shopping experience to the users. Eg: Blinkit & Paytm.

Q-3 Explain briefly the three types of Mobile apps.

Ans-(i) Native Apps

- (a) Native apps are platform dependent, which means that these apps are primarily developed for a specific platform. For example, any app developed for iOS will not run on any ~~for~~ other platform such as Android and Windows.
- (b) Some of the examples of native apps are Camera, Microphone, Gallery and Address book.

(ii) Web Apps

- (a) Web-based apps on mobiles are applications that are accessed through a mobile device's web browser rather than being downloaded and installed from an app store.

(b) Some of the examples of the Web apps are OLX, Flipkart and Pinterest.

(iii) Hybrid Apps

(a) An app that is created by combining the features of native app and web app is called a hybrid app.

(b) Some of the examples of the hybrid apps are Instagram, Gmail, and X.

Done
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