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**GitHub Link** :

[https://github.com/KavyaPara/Web\\_Development\\_Course/tree/main/ICP-Presentation-Two](https://github.com/KavyaPara/Web_Development_Course/tree/main/ICP-Presentation-Two)

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**Youtube Link:** [https://youtu.be/eTIAwLH-\\_3k](https://youtu.be/eTIAwLH-_3k)

## ICP Presentation Two

### Introduction:

ICP presentation two starts from ICP8. From ICP 8-11 we have started learning about the mobile development from the basics. We have installed Android Studio and learned how to use it for the development of mobile application.

### ICP8:

- In ICP8, we have learned the basics of Android Studio on how to develop a mobile application by creating a simple login screen

which will navigate to the welcome screen after the user enters the valid credentials.

- If not, it will generate an alert message saying that the entered credentials are wrong.

#### ICP9:

- In ICP9, we have developed a pizza ordering app.
- In this app, the user gets to choose any of the mentioned toppings, the quantity of the pizza and he can also see their prices.
- The user has to provide details like name and email which will help us in sending the order details to their mail.
- We have used intent for the navigation of screen.

```
public void onClick(View v) {  
    Intent intent = new Intent( packageContext: Summary.this, MainActivity.class);  
    startActivity(intent);  
}
```

#### ICP10:

- In ICP10, we have fetched the user details from the web using Retrofit.
- As we are fetching the user details from the web, which makes our application to use the internet we have to add an extra permission in our AndroidManifest.xml file. If we don't add this permission in the xml file, we will not be able to use the internet.

```
<uses-permission android:name="android.permission.INTERNET"/>
```

- We have used a scrollview which will help us to scroll the screen to see the user details.

## ICP11:

- ICP11 is all about the Text to Speech.
- we had to build a mobile application where the user can give an input and can convert the input into a speech.
- We have created an editText field using which the user can provide an input text that he wants to convert into speech.
- For the input text to be converted into speech, we have imported “android.speech.tts.TextToSpeech” and created a function called speak()

```
void speak(){  
    String text = editText.getText().toString();  
    tts.setSpeechRate(0.5f);  
    tts.speak(text, TextToSpeech.QUEUE_ADD, params: null);  
}
```

- If no input is provided by the user, we will generate an alert message with the help of Toast.

## Contributions:

We both have contributed equally.