

Ques:Write an application code to accept a number from user using text field and display in label the number entered is Armstrong or not. Give proper steps.

Step1: Open xcode

Step 2:Create a single-view application

Step 3:In the main storyboard drag and drop text field (take input)

Step 4:Create output from that text field in the view controller

Step 5: Text @ IBOutlet is a weak var for the text area: UITextField!

Step 6: Create a label output for that label in the controller

Step 6:@ IBOutlet weak var result: UILabel!

Step 7: In the main storyboard drag and drop the button (to perform Armstrong activity)

Step 8: Create an action for the button to be viewed by a controller

Step 9: @Button Func button (_ sender: Uutton) {}

Step 10: Function In button take input (ex: var add = textfield.text)

Step11: GOTO set label output (ex: label.text = add)

CODE PART-\\

```
var add:Int=0 var temp:Int=0 var arm:Int=0

temp =equal!; while temp != 0
{

arm = temp%10;

add = add + arm*arm*arm; temp = temp/10;

}

if equal! == add {

result.text="(equal!) is an Armstrong number."

}

else {

result.text="(equal!) is not an Armstrong number."

}
```

2: Write down the steps for implementing date and time picker view.

ANS:

Open Xcode and create a new single view app.

Single view xcode-template.png

For the product name, use IOSDatePickerTutorial, and then fill in the company name and company identifier with your custom values. Enter Swift as the language and select Next.

Date picker-project.png

Go to the storyboard and drag a label to the main scene. Double click on the label and name it "MM / DD / YY HH: MM". Next, drag the date picker under the label. Select the Auto Layout Problems button and select Reset for Suggested Interruptions.

Reset-constraints suggested. Png

Select the Assistant Editor and make the ViewController.swift appear. Drag Ctrl from the label to the View Controller class and create the following outlet.

Date Label-outlet.png

Drag Ctrl from the Date Picker to the View Controller class and create the following outlet.

Date picker-outlet.png

Drag Ctrl from the Date Picker to the View Controller class and create the following action.

Date option-changed.png

The storyboard should look like this.

Date picker-storyboard.png

Go to the ViewController.swift file and apply the DatePickerChanged method

```
@IBAction func datePickerChanged (_ Sender: Any) {  
    let formatter = DateFormatter ()
```

```
    formatter.dateStyle = DateFormatter.Style.short  
    formatter.timeStyle = DateFormatter.Style.short
```

```
    let date = formatter.string (from: datePicker.date)  
    dateLabel.text = date  
}
```

Date Formatter formats the date in a smaller style, displaying the date and time as MMLD / YY HH: MM. Converts the date object from a string (:) to a method string. This string is given to the text property of our label.

Create and execute the project, change the date and this date will be displayed on the screen.

Ques3:How many delegates are required to implement in table view controller? Name them.

Ans: AS per my knowledge only one is need,The table view representative is responsible for maintaining the layout of the table view and responding to user interactions. Example of the TableView representative UITableViewDelegate class.