

iOS Hands-On 1

Swift

Task 1

- Create a single view app with the following specs:
 - Define var x, const y and var z
 - `var z = x + y`
 - print value of z
 - Change value of x
 - print value of z

Task 2

- Update the previous program as follows:
 - Define a string with value “Z is now = *z_value*”
 - Print the string value before and after changing y value

Task 3

- Create a single view app with the following specs:
 - Define var name, const age and var mobileNumber
 - Initialise the previous values
 - Print the String: “*name_value* is *age_value* years old and mobile number is *mobileNumber_value*”

Task 4

- Update the previous task as follows
 - Define same set of variables name, age and mobileNumber
 - Initialise the previous values
 - Print the String: “*name_value* is *age_value* years old and mobile number is *mobileNumber_value*” for both set of values

Task 5

- Update the previous task as follows
 - Print only a line for the older one

Task 6

- Implement the following app
 - Define var guessedNum, const magicNum= 5
 - Initialise the guessedNum with some value
 - Application should print correct if the guessedNum and print false if guessedNum doesn't equal magicNum
- Run the application three times with guessedNum = 3,5,7

Task 7

- Implement the following app
 - Define array magicNums
 - Application should print all values of the array
 - Use 2,4,6,8,10 as values
 - Bonus: fill the array using a loop

Task 8

- Implement the following app
 - Define array magicNums and var guessedNum
 - Application should print found if guessedNum was found in the array or not found if it wasn't
 - Use values 0,1,2,5,8,10,12 as magicNums

Task 9

- Define an array of country codes
- Print content of array using loop

Task 10

- Using previous task
- Define name, age and country
- Print data of the user if his country exists on the list

Task 11

- print the following shape using dynamic number of lines

```
  *  
 ***  
*****  
*****
```