**3. a.** **Program on built-in functions on integer, float and string.**

1. Program on control structure and loops.

**Numeric functions** is: pow, floor, ceil, round, srand, abs, min, max, [base convert()](https://www.w3schools.com/php/func_math_base_convert.asp),

1. Returns the arc cosine of a number and Returns the inverse hyperbolic cosine of a number
2. Converts a decimal number to a binary number
3. Converts a degree value to a radian value
4. Returns the remainder of x/y
5. Returns the value of PI
6. Seeds the random number generator

**String Functions**: strlen, strops, substr,strcmp, chop, trim ltrim, settype

1. Removes whitespace or other characters from the right end of a string
2. Returns a character from a specified ASCII value
3. Outputs one or more strings
4. Writes a formatted string to a specified output stream
5. Returns a string from the elements of an array
6. Removes whitespace or other characters from the left side of a string
7. **Program on control structure and loops.**

Conditional statements:

* **if statement** - executes some code if one condition is true
* **if...else statement** - executes some code if a condition is true and another code if that condition is false
* **if...elseif....else statement** - executes different codes for more than two conditions

**switch statement** - looping statements:

* **while** - loops through a block of code as long as the specified condition is true
* **do...while** - loops through a block of code once, and then repeats the loop as long as the specified condition is true
* **for** - loops through a block of code a specified number of times
* **foreach** - loops through a block of code for each element in an array