

## Index

No.	Title	Pg.No
<b>PART 1 (R PROGRAMING)</b>		
<b>1</b>	<b>WAP to print Hello World.</b>	<b>5</b>
<b>2</b>	<b>Write a program to Print Fibonacci sequence.</b>	<b>6</b>
<b>3</b>	<b>Write a program to Check weather given year is Leap year or Not. WAP to print Multiplication Table of a number and define interval of numbers.</b>	<b>7</b>
<b>4</b>	<b>WAP to print Sum of given Numbers.</b>	<b>8</b>
<b>5</b>	<b>WAP to print Armstrong number between given interval.</b>	<b>9</b>
<b>6</b>	<b>WAP to print Prime numbers.</b>	<b>10</b>
<b>7</b>	<b>WAP to find roots of quadratic equation.</b>	<b>11</b>
<b>8</b>	<b>WAP to print Factorial of given number.</b>	<b>12</b>
<b>9</b>	<b>WAP to print Factors of given numbers</b>	<b>13</b>
<b>10</b>	<b>WAP to Convert given number from decimal to binary.</b>	<b>14</b>
<b>11</b>	<b>WAF to print Fibonacci series given term.</b>	<b>15</b>
<b>12</b>	<b>WAF to find factorial of given number</b>	<b>16</b>
<b>13</b>	<b>WAF to print prime numbers between given interval.</b>	<b>17</b>
<b>14</b>	<b>WAP to combine two strings.</b>	<b>18</b>
<b>15</b>	<b>WAP to find length of the input string.</b>	<b>19</b>
<b>16</b>	<b>WAP to replace particular character with user input new character in given string. ( hint : function chartr(old,new,string) )</b>	<b>20</b>
<b>17</b>	<b>WAP to create two vectors and perform different operations on them.</b>	<b>21</b>
<b>18</b>	<b>WAP to generate following sequences.</b> a. 1.0 1.2 1.4 1.6 ... b. 10 9.5 9 8.5 c. -1 -3 -5 -7 ....	<b>22</b>
<b>19</b>	<b>WAP to sort a vector.</b>	<b>23</b>
<b>20</b>	<b>WAP to create two lists and merge them and display particular elements from the list.</b>	<b>24</b>
<b>21</b>	<b>WAP to demonstrate the use of data frame and shows the expansion of data frame.</b>	<b>25</b>
<b>22</b>	<b>WAP to read and display CSV file and number of rows and columns in the input file.</b>	<b>27</b>
<b>23</b>	<b>WAP to demonstrate the writing to CSV file and display updated file.</b>	<b>29</b>
<b>24</b>	<b>WAP to read and display excel file.</b>	<b>31</b>
<b>25</b>	<b>WAP to read and display XML file.</b>	<b>32</b>
<b>26</b>	<b>WAP for database connection and insert value in the table and display it.</b>	<b>34</b>

27	WAP to create table in the database using code and insert records in it and display particular record from the table.	35
28	WAP to display 2D and 3D pie chart with all required chart format.	37
29	WAP to display Group Bar Chart and Stacked Bar Chart with all required chart format.	38
30	WAP to display histogram, line chart and scatterplot.	39
31	WAP to find Mean, Median and Mode.	40
32	WAP to demonstrate use of linear regression and visualize regression graphically.	43
33	WAP to demonstrate use of multiple regression and visualize regression graphically.	45
34	WAP to demonstrate the use of Normal Distribution.	46
<b>PART 2 (MATLAB)</b>		
1	WAP to read any image and Display it.	47
2	WAP to Convert RGB image to Grayscale Image.	48
3	WAP to find size of image, display it and resize the Image.	49
4	WAP to plot Histogram of given image.	50
5	WAP to display multiple image in one window.	51
6	WAP to apply simple thresholding in image.	52
7	WAP to Convert RGB image to HSI image and display it.	53
8	WAP to apply Contrast stretching in given image. ( min – max Normalization)	54
9	WAP to demonstrate the use of Morphological operation.	55