# Ms Word Practical Assignment Pdf

Computer Engineering (Dar es Salaam Institute of Technology)

**MS-WORD**

Microsoft Word is a word processor developed by Microsoft. It was first released in 1983 under the name Multi-Tool Word for Xenix systems. MS Word is a popular word-processing program used primarily for creating documents such as letters, brochures, learning activities, tests, quizzes and students' homework assignments. There are many simple but useful features available in Microsoft Word to make it easier for study and work. That's why so many people would prefer to convert the read-only PDF to editable Word and edit PDF in Word.

**PRACTICAL -1**

- Type the paragraph above as it is using "Calibri font" , font size 12.
- Change the font type to ***"Lucida Calligraphy"*** and size to 14
- Alignment to your paragraph to right margin.
- Save this file as ms-word.doc in "my documents" folder using save as option.
- Edit some part of your document and save again using save option.
- Close the file.
- Open this file again using open option from office button.
- View the file you have created using print preview option.
- Take a print out of this document through print option.

- Create a new file using new option.
- Select some part of your document of PRACTICAL -1 and copy it to new file created in bullet 1. Use shortcut keys for copy and paste.
- Highlight "**Microsoft Word** is a word processor developed by Microsoft."
- Search for word "document" using find option.
- Replace the word "Microsoft" with "MS".

**PRACTICAL-2**

- Select your document by using select all option and change the font size of your document.
- Underline the "Microsoft –word" using underline option.
- Draw a line through the middle of the selected text using strikethrough option.
- Create small number below the text baseline of the word "Multi-Tool" using subscript ( ctrl+=) as shown below

  **Multi-Tool$_1$**

- Create small number above the text baseline using superscript ( ctrl+shift++) as shown below.

  **Multi-Tool$^2$**

**PRACTICAL-4**

Microsoft office package includes MS word, PowerPoint, Excel, Outlook, OneNote and Access.

- View your document in portrait and landscape view using orientation option in page layout menu.
- Change the color of the text using font color option.
- Create a bulleted list like :
    - MS word
    - Powerpoint
    - Excel
    - Access

**PRACTICAL-5**

- Using the insert > break option insert a page break in your document.
- Insert page number at the bottom of the page using page number option.
- Insert a table like this:

| Roll no. | Name | Course | Language |
|---|---|---|---|
| 1. | Kapil | BCA | HTML |
| 2. | Suresh | MCA | ASP.NET |
| 3. | Shushma | B.COM. | TALLY |
| 4. | Sandy | B.COM. | C |

- Draw the borders of the table using draw table option.
- Select the last row of the table and delete the entire row.
- Insert some more columns to the right in the table.

**PRACTICAL-6**

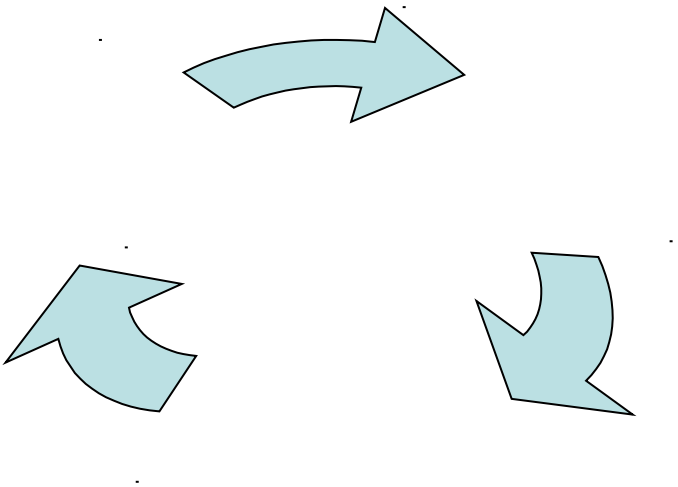
- Insert a picture in the file like this:


- Place the picture into the center of the page._
- Add a thick red border around the picture.
- Crop the picture 0.5 inches from the left.
- Change the size of the picture by pressing right click of the mouse on the picture .
- Insert caption to the picture.

**PRACTICAL-7**

- Insert a clip art of computer in the file using clip art option .
- Draw a star using shapes option .
- Draw a figure like this using SmartArt option and add some text in the figure.

:



- Insert date & time and symbol date option &symbol option.
- Using WordArt ,write the following "THANK YOU" .Use any style you wish and give it a font size of 20 points.

**PRACTICAL-8**

- Insert header &footer using the header and footer option.
- Draw a text box and insert the following text in the textbox:

  "Computer is an electronic device that performs complex calculations easily."

- Insert Excel worksheet using object option in insert menu.
- Create a hyperlink & attach a file to the hyperlink.
- Insert Bookmark using bookmark option in insert menu.

**PRACTICAL-9**

- Choose the paper size for the document using size option.
- Split the text in three columns by using columns option.
- Type the following lines and give numbers to that lines using line numbers option:

  Computer is a device.

  Computer is a machine

  Computer is an electronic device

  Computer is very useful.

**PRACTICAL-10**

- Make the word “MS-WORD” as the watermark of the document.
- Set the background color of the document as RED using page color option.
- Change the border of the page using page border option.
- Choose the indents tab.
- Change the spacing between paragraphs by adding space above the paragraph.

**PRACTICAL-11**

- Add a table of contents to the document.
- Update the table of contents.
- Insert footnote to the document.
- Insert an endnote to the document.
- Insert an index into the document.
- Create labels to the document.

**PRACTICAL-12**

- Type this paragraph &checks the spelling &grammer using spelling &grammar tool.

  **Microsoft Word** is a word processor developed by Microsoft. It was first released in 1983 under the name Multi-Tool Word for Xenix systems. MS Word is a popular word-processing program used primarily for creating documents such as letters, brochures, learning activities, tests, quizzes and students' homework assignments. There are many simple but useful features available in Microsoft Word to make it easier for study and work. That's why so

many people would prefer to convert the read-only PDF to editable Word and edit PDF in Word.

- View the document in full screen using full screen reading option.
- View the document as draft using draft tool.
- View the screen in full mode and zoom mode.
- Add a bibliography of the document.

**MS Excel-Assignment**

**Practical-1**

- Create a database Club and table Member. The following are the details of the table.

| Number | Fname | Lname | Address | Home phone | Joining date |
|---|---|---|---|---|---|
| S1465T | Jone | Johnson | 1234 Country Club Texas | (713)-555-7890 | 01-02-04 |
| J1050S | Bill | Smith | 1112 Peter Avenue Texas | (713)-556-6556 | 30-11-04 |
| S1300T | Lisa | Stanley | 985 Venton Circle Texas | (713)-558-1227 | 11-11-04 |

- Do the following:
  **1)** Create Business table by using Design Wizard with year own data (atleast 6 fields and 10 records)
  **2)** Create Personal table by using Design Wizard with your own data (atleast 6 fields and 10 records)

- Create a employee database and table ‘emp’.

| Emp.No | Ename | Job | DOJ | Basic | Deptno | Sex | Due prom |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 101 | Ajya | Clerk | 17-12-01 | 6000 | 20 | Male | |
| 102 | Arvind | Salesmen | 20-02-02 | 5000 | 30 | Male | |
| 103 | Rahul | Salesmen | 22-03-01 | 5500 | 20 | Male | |
| 104 | Rehman | Manager | 01-04-01 | 12000 | 40 | Male | |
| 105 | Sahil | Manager | 20-09-02 | 11500 | 10 | Male | |

- Create a database 'Library' and create a table as 'Books' and execute the queries given below:

| Author Lname | Author Fname | Book title | Book type | Year of publication |
|---|---|---|---|---|
| Gupta | Sharma | Management Accounting | Accounting | 2002 |
| Nain | Patel | Financial | Accounting | 2000 |
| Reddy | Ram | Corporate accounting | Accounting | 1990 |

a) Display Book title, Book type, author name where author = Ram and book type = Accounting.
b) Display Author Fname, Book type year of publication where year above 2000

**Practical-2**

- Create a database 'Student'. Also Create table 'stdtable'& execute the following.

| SRoll no | Sname | Class | State | DOB | Marks | Grade |
|---|---|---|---|---|---|---|
| 101 | Raj | BCA | AP | 21-09-82 | 80 | A |
| 105 | Ram | BCA | MP | 31-08-81 | 70 | B |
| 104 | Rakesh | BCA | UP | 30-06-80 | 90 | A |
| 103 | Ramesh | BCA | AP | 25-07-82 | 38 | C |
| 105 | Rajesh | BCA | MP | 02-02-83 | 45 | C |

a) Sort the data by SRoll no.
b) Display SRoll no., Sname, State and Marks where marks > 80.
c) Display SRoll no., Sname, State and Marks where Grade = A.

- Create 'employee database and table 'emp' create a Report.

| Emp.No | Ename | Job | DOJ | Basic | Deptno | Sex |
|---|---|---|---|---|---|---|
| 101 | Ajya | Clerk | 17-12-01 | 6000 | 20 | Male |
| 102 | Arvind | Salesmen | 20-02-02 | 5000 | 30 | Male |
| 103 | Rahul | Salesmen | 22-03-01 | 5500 | 20 | Male |
| 104 | Rehman | Manager | 01-04-01 | 12000 | 40 | Male |
| 105 | Sahil | Manager | 20-09-02 | 11500 | 10 | Male |

- Create 'Student database table 'and also create a Report .

| SRoll no | Sname | Class | State | DOB | Marks | Grade |
|---|---|---|---|---|---|---|
| 101 | Raj | B.Com-I | AP | 21-09-82 | 80 | A |
| 105 | Ram | B.Com-II | MP | 31-08-81 | 70 | B |
| 104 | Rakesh | B.Com-III | UP | 30-06-80 | 90 | A |
| 103 | Ramesh | B.Com-II | AP | 25-07-82 | 38 | C |
| 105 | Rajesh | B.Com-I | MP | 02-02-83 | 45 | C |

**Practical-3**

- Create a employee database and Create a Report .

| Emp.No | Ename | Job | DOJ | Basic | Deptno | Sex |
|---|---|---|---|---|---|---|
| 101 | Ajya | Clerk | 17-12-01 | 6000 | 20 | Male |
| 102 | Arvind | Salesmen | 20-02-02 | 5000 | 30 | Male |
| 103 | Rahul | Salesmen | 22-03-01 | 5500 | 20 | Male |
| 104 | Rehman | Manager | 01-04-01 | 12000 | 40 | Male |
| 105 | Sahil | Manager | 20-09-02 | 11500 | 10 | Male |

- Apply Auto formatting for the following Table and find total by using Auto Sum option

| ROLLNO | NAME | QT | FIT | IOM |
|---|---|---|---|---|
| 101 | Radhika | 50 | 90 | 80 |
| 102 | Sarika | 60 | 80 | 60 |
| 103 | Geethika | 50 | 70 | 75 |
| 104 | Bhoomika | 80 | 60 | 80 |
| 105 | Karthika | 84 | 57 | 84 |

- The following are the marks obtained by the students in three subjects

| ROLLNO | NAME | QT | FIT | IOM |
|---|---|---|---|---|
| 101 | Pravalika | 50 | 90 | 80 |
| 102 | Aryaman | 40 | 80 | 60 |
| 103 | Akosh | 38 | 70 | 75 |
| 104 | Prajaktha | 80 | 60 | 80 |
| 105 | Trisha | 84 | 57 | 84 |

Using Conditional Formatting list out students who secured

( a) Less than 50 in QT, ( b ) More than 65 in FIT, ( c ) Between 60 and 80 in Accounts .

**Practical-4**

- The following are the marks obtained by the students in three subjects
  Draw a Bar Diagram.

| ROLLNO | NAME | QT | FIT | IOM |
|---|---|---|---|---|
| 101 | Pravalika | 50 | 90 | 80 |
| 102 | Aryaman | 40 | 80 | 60 |
| 103 | Akosh | 38 | 70 | 75 |
| 104 | Prajaktha | 80 | 60 | 80 |
| 105 | Trisha | 84 | 57 | 84 |

- Type the following table and find out the total marks average obtained by each student.

| ROLLNO | NAME | ECONOMICS | BANKING | MARKETING |
|---|---|---|---|---|
| 1 | Ajay | 50 | 90 | 80 |
| 2 | Vijay | 40 | 80 | 60 |
| 3 | Arnay | 38 | 70 | 75 |
| 4 | Prathista | 80 | 60 | 80 |
| 5 | Bhoomi | 84 | 57 | 84 |

- From the table given below reduce the total expenditure to RS.16000 by reducing sales department's Expenditure by applying Goal Seek .

| Department | Expenditure Rs. |
|---|---|
| Production | 4000 |
| Sales | 6000 |
| Marketing | 3000 |
| Finance` | 5000 |
| Total Expenditure | 18000 |

- Principal Amount 2,00,000
  Rate of Interest 5%

  Time Period 10 Years

  Amount to be Paid ?

From the above , Calculate the amount payable per annum and also show the effect on amount by changing :

a) Rate of Interest to 3% and 8%
b) Time Period to 5 Years and 3 Years.

**Practical-5**

- Employee Name Department Salary Rs.

| | | |
|---|---|---|
| A | Sales | 3000 |
| B | Accounts | 4000 |
| C | Marketing | 5000 |
| D | Sales | 6000 |
| E | Accounts | 4000 |
| F | Marketing | 8000 |

Obtain Department wise Sub Totals .

- Employee Name Department Salary Rs.

| | | |
|---|---|---|
| A | Sales | 3000 |
| B | Accounts | 4000 |
| C | Marketing | 5000 |
| D | Sales | 6000 |
| E | Accounts | 4000 |
| F | Marketing | 8000 |

Prepare Pivot Table .

- **Create the following table:**

| Pay ROLLNO | Name | Salary Rs . | Part Time Rs. | Accounts |
|---|---|---|---|---|
| 1011 | Prasanna | 12000 | 900 | 1800 |
| 1012 | Anitha | 14000 | 800 | 1600 |
| 1013 | Ravi | 18000 | 700 | 1700 |
| 1014 | Saritha | 15000 | 600 | 1600 |

| | | | | |
|---|---|---|---|---|
| 1015 | Mallika | 17000 | 500 | 1800 |

Using Conditional Formatting list out employees who got

(a ) Less than Rs. 15000 as Salary

( b ) More than Rs. 700 as Part Time

( c ) Between Rs.1600 and Rs.1800 as Arrears .

**Practical-6**

- The following are the marks obtained by the students in three different subjects Draw a Pie Diagram.

| ROLLNO | NAME | QT | FIT | IOM |
|---|---|---|---|---|
| 101 | Radhika | 50 | 90 | 80 |
| 102 | Sarika | 60 | 80 | 60 |
| 103 | Geethika | 50 | 70 | 75 |
| 104 | Bhoomika | 80 | 60 | 80 |
| 105 | Karthika | 84 | 57 | 84 |

- Create a pie graph for the following data of sales of XYZ co.

| YEAR | 1998 | 1999 | 2000 | 2001 | 2002 |
|---|---|---|---|---|---|
| SALES | 5000 | 10000 | 25000 | 3000 | 20000 |

- Show a Pie graph for the following data with different colors for each category

| Total Population | Distribution (in crores) |
|---|---|
| 0 – 5 | 20 |

| | |
|---|---|
| 6 – 12 | 10 |
| 13 – 20 | 15 |
| 21 – 35 | 25 |
| 36 – 60 | 15 |
| 60 & above | 15 |
| Total | 100 |

- Draw a multiple bar diagram from the following data:

| YEAR | SALES (‘000 Rs.) | GROSS PROFIT (‘000 Rs.) | NET PROFIT (‘000 Rs.) |
|---|---|---|---|
| 2005 | 120 | 40 | 20 |
| 2006 | 135 | 45 | 30 |
| 2007 | 140 | 55 | 35 |
| 2008 | 150 | 60 | 40 |

**Practical-7**

- Create a file in Excel that describes a grading system for a class.

1) One Excel workbook file with 3 separate, appropriately labeled worksheets.
2) Tables, a graph, and a list of descriptive statistics.
3) For this exercise, the correct values in each cell are important and will be graded.
4) The graph will be graded on appropriate content, appropriate axis scaling, and clear labeling.

**Content**

You should form a table on a worksheet titled “class list” that includes the names and test scores of your students. You have 7 students in your class, their names are: Allen, Borlin, Catlin, Dorsey, Eugene, Finneran, and Greco. Their scores on the first 3 tests are as follows:

**Test 1 Test 2 Test 3**

| | | | |
|---|---|---|---|
| *Allen* | Test 89 | Test 78 | Test 89 |
| *Borlin* | Test 67 | Test 56 | Test 66 |
| *Catlin* | Test 78 | Test 76 | Test 76 |
| *Dorsey* | Test 56 | Test 34 | Test 45 |
| *Eugene* | Test 26 | Test 100 | Test 99 |
| *Finerran* | Test 99 | Test 98 | Test 97 |
| *Greco* | Test 78 | Test 87 | Test 88 |

**I.** Using an Excel function, show each student's average in an additional column labeled "Average"

**II.** Using an Excel function, show each student's rounded average in an additional column labeled "Rounded Average"

**III.** If a student's rounded average is above "95", he/she has received "honors" in the class. In an additional column titled "Honors", insert a function that will return the word "Yes" if they have received honors, otherwise would return the word "No"

**IV.** If a student's rounded average is 90 or greater, they receive an "A". Between 80 and 90 is a "B", between 70 and 80 is a "C", between 60 and 70 is a "D", and lower than 60 is an "F". Somewhere on your sheet, enter this information in cells. Create an additional column titled "Grade" and insert a nested IF function that returns the appropriate grade for each student. Use an absolute cell references in your nested IF function to indicate cut-off points between grades. Hint: You will need to place the "cut-off grade" values in cells somewhere on your worksheet…

**V.** Below your table, create a graph showing the students' rounded averages. Be sure to include appropriate labeling and spacing, so that the graph is non-repetitive and the scale is appropriate. Hint: A score of 100 is the highest possible…

**VI.** Insert a new worksheet. Use the Goal Seek feature to find the value that Eugene needed on Test 1 in order to earn honors for the course. Show your work by displaying an updated table. Title the worksheet "Eugene's dream." Hint: Do not worry about rounding Eugene's new "score" for Test 1. If done properly, the rest of your table should update accordingly.

VII. From the data on your "class list" worksheet, provide the Descriptive Statistics of your students' rounded averages. For the output, create a new worksheet and choose to display "summary statistics". Rename this worksheet "Descriptive Statistics".

**Practical-8**

Type the following data in excel worksheet and save it as first.xls
Type the following data in excel worksheet and save it as first.xls

| A | B | C | D | E |
|---|---|---|---|---|
| 513 | | | | |
| 501 | | | | |
| 504 | | | | |
| 513 | | | | |
| 511 | | | | |
| 516 | | | | |
| 532 | | | | |
| 504 | | | | |
| 432 | | | | |
| 501 | | | | |
| 510 | | | | |
| 517 | | | | |
| 479 | | | | |
| 494 | | | | |
| 498 | | | | |

Do the following
(a) Highlight column A and copy it to column C
(b) Sort the data in column C in ascending order
(c) What is the lowest number in the list (use a function)
(d) Copy the data in column A to column E and sort it in descending order
(e) What is the highest number in the list (use a function)
(f) How many numbers in this list are bigger than 500 (use a database function)
(g) How many numbers in column A are between 520 and 540 inclusive
(use a database function)

**Practical-9**

Type the following data in excel worksheet and save it as second.xls.

| A | B | C | D |
|---|---|---|---|
| People per physician | Life Expectancy | | |

| X | Y | X * Y |
|---|---|---|
| 370 | 70.5 | |
| 6166 | 53.5 | |
| 684 | 65 | |
| 449 | 76.5 | |
| 643 | 70 | |
| 1551 | 71 | |
| 616 | 60.5 | |
| 403 | 51.5 | |

Do the following

(a) Complete column C for finding product x * y

(b) Find sum of x column at the end of data

(c) Find sum of y column at the end of data

(d) Find sum of x * y column at the end of data

(e) Find sum of x^2

(f) Find sum of y^2

**Practical-10**

- Enter the following data and save it in grade .xls

| Name | Marks1 | Marks2 | Marks3 | Total | Percentage | Grade |
|---|---|---|---|---|---|---|
| Amit | 80 | 70 | 80 | | | |
| Renu | 70 | 60 | 90 | | | |
| Rajeev | 60 | 50 | 80 | | | |
| Manish | 50 | 30 | 90 | | | |
| Sanjeev | 40 | 40 | 80 | | | |
| Anita | 70 | 70 | 90 | | | |

Do the following

(a) Compute the total marks and percentage of each student by entering appropriate formula.

(b) Compute the grades based on following criteria

If percentage >= 90 then grade = A

If percentage >= 80 and <90 then grade = B

If percentage >= 70 and <80 then grade = C

If percentage >= 60 and <70 then grade = D

If percentage < 60 then grade = E

- Using grade.xls to perform the following formatting operations

(a) Draw a border around the worksheet

(b) Change the font size of heading to 14 points and underline it and hide column c

(c) Increase the width of column A to 15 characters

(d) Right Align the values in column B, C, F

**Practical-11**

A university maintains a year wise result for four courses and then generates an average report as given below

| Sr no. | Year | Course1 | Course2 | Course3 | Course4 | Average |
|---|---|---|---|---|---|---|
| 1 | 2002 | 356 | 300 | 300 | 400 | |
| 2 | 2003 | 200 | 400 | 200 | 450 | |
| 3 | 2004 | 256 | 500 | 400 | 600 | |
| 4 | 2005 | 400 | 600 | 500 | 550 | |
| 5 | 2006 | 456 | 450 | 550 | 450 | |
| 6 | Total | | | | | |

(a) Complete the report to calculate the course wise average in row 6
(b) Provide formula to calculate year wise average in column G
(c) Generate a column chart to compare data

**Practical-12**

A person wants to start a business and he has four schemes to invest money according to profit and years. Find out which scheme is the most profitable.

| Investment Amount | Percentage for Profit | No of years |
|---|---|---|
| 20000 | 10% | 6 years |
| 40000 | 20% | 5 years |
| 14000 | 30% | 4 years |
| 12000 | 15% | 5 years |

2) A company records the details of total sales (in Rs. ) sector wise and month wise in the following format

| | Jan | Feb | March | April |
|---|---|---|---|---|
| Sector 30 | 12000 | 17000 | 14000 | 15000 |
| Sector 22 | 14000 | 18000 | 15000 | 16000 |
| Sector 23 | 15000 | 19000 | 16000 | 17000 |
| Sector 15 | 16000 | 12000 | 17000 | 18000 |

(a) Enter the data in a worksheet and save it as sector.xls
(b) Using appropriate formula, calculate total sale for each sector
(c) Create a 3-D column chart to show sector wise data for all four months
(d) Create a 3-D pie chart to show sales in Jan in all sectors

**PRACTICAL-1**

- Make a PowerPoint presentation of at least 5 slides.
- Add a new slide in the presentation using new slide option.
- Copy & paste the 2nd slide after 5th slide.
- Delete the 2nd slide using delete option.
- Make the selected text bold using "B" option.
- Save this presentation as ms-ppt.ppt in "my documents" folder using save as option.

**PRACTICAL-2**

- Edit some part of your document and save again using save option .
- Close the presentation.
- Open this presentation again using open option from office button.
- View the file you have created using print preview option.
- Take a print out of this document through print option.

**PRACTICAL-3**

- Search for some word using find option.
- Replace the word "Microsoft" with "MS".
- Select your document by using select all option and change the font size of your document.
- Underline the "Microsoft –word" using underline option.
- Select the text and draw a line through the middle of the selected text.

**PRACTICAL-4**

- Create the small letters below the text line
- Create the small letters above the base line
- Change the selected text to uppercase or lowercase.
- Select the text and highlight it with BLUE.
- Change the color of the selected text.

**PRACTICAL-5**

- Insert bullets to the text.
- Create a numbered list having 10 items in the list.
- Select the text and align the text to the centre of the slide.

- Change the spacing between the lines of the text.
- Increase the indent level of the paragraph.
- Change the background color behind the selected text..

**PRACTICAL-6**

- Draw an e-r diagram using shapes tool.
- Fill the shapes used in e-r diagram with appropriate color using shape fill option.
- Give the outline with black color to every shape using shape outline option.
- Use any shape effect in the diagram.

**PRACTICAL-7**

- Insert a table like this:

| Roll no. | Name | Course | Language |
|---|---|---|---|
| 1. | Kapil | BCA | HTML |
| 2. | Suresh | MCA | ASP.NET |
| 3. | Shushma | B.COM. | TALLY |
| 4. | Sandy | B.COM. | C |

  - Draw the borders of the table using draw table option.
  - Select the last row of the table and delete the entire row.
- Insert some more columns to the right in the table.
- Put a picture on the slide.

**PRACTICAL-8**

- Insert a clip art of computer in the file using clip art option .
- Draw a star using shapes option .
- Draw a figure using SmartArt option and add some text in the figure.
- Insert date & time using date & time option..
- Using WordArt ,write the following "THANK YOU" .Use any style you wish and give it a font size of 20 points.

**PRACTICAL-9**

- Insert header &footer using the header and footer option.
- Draw a text box and insert the following text in the textbox:

"Computer is an electronic device that performs complex calculations easily."

- Insert Excel worksheet using object option in insert menu.
- Create a hyperlink & attach a file to the hyperlink.
- Insert slide number at the bottom of the slide using slide number option.

**PRACTICAL-10**

- Set the slide orientation as landscape.
- Apply the civic theme to the all slides of the presentation.
- Set the background style for the theme.
- Animate the slides as wipe using animate option.

**PRACTICAL-11**

- Check the spelling of the text using spelling option.
- View the presentation in black and white using pure black and white option.
- View the presentation in grayscale.
- View the screen in full mode and zoom mode.

**PRACTICAL-12**

- Insert a column chart to the presentation using chart tool.
- Create an organization chart in smart art.
- Insert slides from another presentation.
- Save the presentation again using save option(ctrl+S).
- View the slide show of the presentation using slide show option.

**AGGARWAL COLLEGE BALLABGARH**

**Class-B.C.A.-2nd sem**

**Programming in C**

PRACTICAL 1

1.Type the following program in C Editor and execute it. Mention the Error.

```
void main(void)
{
printf(“ This is my first program in C ”);
}
```

2.Add the following line at the beginning of the above program. Recompile the program. What is the output?

#include<stdio.h>

3. Write a program that display a message ‘hello world’ on the output screen.

4. Save the program in your own directory.

PRACTICAL 2

1. Write a program which shows the function of each escape sequence character.

   eg printf(“alert ring bell rings like \a\a”);

   printf(“the tab is inserted like \t this”);

2. Write down C statements to perform the following operations:

   z = 4.2(x+y)5/z – 0.52x/(y+z)

3. What will be the out put of the mix mode use of integers and float.

   a=5/9;

   b=5.0/9;

   printf(“%f,%f”,a,b);

PRACTICAL 3

1. What will be the output if a=5,

   printf(“%d”,++a);

   printf(“%d”,a++);

2. Write some simple statements to check the working of logical and relational operators.

3. Point out the Errors, if any, in the following C statements:

(a). 3.14 * r * r * h = vol_of_cyl ;

(b). volume = 3.14 * r ^ 2 * h ;

PRACTICAL 4

1. Write a program to generate a series of first 50 even numbers.
2. Write a program to generate a FIBONACCI series .
   0, 1, 1, 2, 3, 5, 8, 13, 21
3. Write a program to generate tables from 2 to 20 with first 10 terms .

PRACTICAL 5

1. Write down the output of the following program statements

   i. for (i=1; i<=10;i++)

   printf("%d \n",i);

   ii. int a = 10, b = 10;

   for(inti=1;i<=a;i++)

   { a++;

   b--;

   printf("a = %d,b=%d\t",a,b);

   }

2. Write a program to find the greastest among three numbers.

3. Write a program to find the average of n natural numbers using for loop.

PRACTICAL 6

1. Write a program to enter the numbers till the user wants and at the end it should display the count of positive, negative and zeros entered.

2. Write a program to find the range of a set of numbers. Range is the difference between the smallest and biggest number in the list.

PRACTICAL 7

1. Write a program which Prints the following pattern up to 10 lines

```
0
111
22222
3333333
```

2. Write a program to produce the following output:

```
A B C D E F G F E D C B A
A B C D E F   F E D C B A
A B C D E       E D C B A
A B C D           D C B A
A B C               C B A
A B                   B A
A                       A
```

PRACTICAL 8

1. Write a program that inputs an integer – determine if it is even or odd (USING IF ELSE STATEMENT).
2. Write a program to find the given year is a leap year or not.
3. Write a program to find the area of a triangle using
   area= sqrt(s(s-a)(s-b)(s-c)), where s=(a+b+c)/2

PRACTICAL 9

1. Write a program to make a simple calculator which should be able to do +,-,*,/,%

   Operations.( using case statement)

3. Write a program which takes 10 integers as input and prints the largest one.

PRACTICAL 10

1. Write a program to print the find the sum of the given series, take first 8 terms

   A=1! +2! +3! +4! +…….. (USING FACT FUNCTION)

2. Write a program to find

   a. Surface area (A=4pr 2 )

   b. volume(v=4/3 p 3 )

   of a sphere using functions make a function for finding powers of radius.

3. Write a program using functions to evaluate up to 8 terms

sin(x)= x - x 3/3! + x5/5! - x7/7! + x9/9! - …….

PRACTICAL 11

1. Write a program which calculates and returns the area and volume of a sphere using define

directive .

2. Write a program that takes input for array int a[5] and array int b[5] and exchanges

their values.

3. Write a program that takes 10 integers as input and prints the largest integer and its

location in the array.

PRACTICAL 12

1. Write a program which takes a string as input and counts total number of vowels in that.
2. Write a program to copy the contents of one array into another in the reverse order.
3. Write a program to sort an integer array in descending order.

PRACTICAL 13

1. Write a program that adds up two 3x3 arrays and stores the sum in third array.
2. Write a program which takes names of five countries as input and prints them in alphabetical order.
3. Write a program to maintain the library record for 100 books with book name, author's name, and edition, year of publishing and price of the book.

4. Determine the output of the following program:

```
void main(void)
{
int x=3,y=4,z=6;
int *p1,*p2,*p3;
p1=&x;
p2=&y;
p3=&z;
*p1=*p2+*p3;
*p1++;
*p2--;
```

```
*p1=(*p2)*(*p3);
*p2=(*p2)*(*p1);
x=y+z;
printf("%d",x);
printf("%d",y);
printf("%d",z);
printf("%d",*p1);
printf("%d",*p2);
printf("%d",*p3);
}
```

PRACTICAL 14

1. Write a program to find the factorial of a given number using recursion.
2. Write a program for swapping of two numbers using
   Call by value
   Call by reference

**AGGARWAL COLLEGE BALLABGARH**

**Class-B.C.A.-3rd sem**

**Subject-SQL Commands, Data Structures**

Practical-1

Create a table

Table name—Table 1

Column name- Emp_no, Emp_name, Salary, Address

No. of rows-10

Practical-2

1.Show al record in table 1

2. Find al employee number,emp_name from Table1

3. Select all employees whose salary >10000

4. Select emp_no. emp_name who are living in Faridabad

Practical-3

1. Add new column in table 1 having column name -Designation
2. Fill all records in designation column

Practical-4

1. Show al typoe of Designations in Table 1( Distinct)
2. Show all records according to name in ascending and descending order(A-Z)

Practical-5

1. Creating a new Table from Table1
2. Inserting data into a new table from table1

Practical-6

1. Delete Record from Table1 whose employee number is 0010
2. Change the address in Table1 from FBD to Faridabad
3. change the table name from Table1 to Employee .
4. Draw new table.

Practical-7

1. Use primary, foreign, Unique, Not nul constraint in  Employee table

Practical-8

1. Use Arithmetic and Logical in Employee table

Practical-9

1. Select all employees name whose name start by A in Employee table (Like, , %, _)

Practical-10

1. Use all aggregate functions in Employee table
2. Use all Scalar Functions with dual table

Practical- 11 to 14

Create a mini Project based on oracle

**Assignment**
**Data Structure -I**

**Practical 1:**

Q1) Write a C program that prints below shape of triangle using nested loop

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

Q2) Write a C program that prints below shape of rectangle using nested loop

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

Q3) Write a C program that prints below shape using nested loop

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

**Practical 2:**

Q4) Write a program to implement Linear Array with insertion and Deletion Operations

Q5) Write a program to find the smallest number from an Array.

Q6) Write a program to find the biggest number from an array.

**Practical 3:**

Q7) Write a program to convert  Decimal number to its equivalent Binary number.

Q8) Write a program to find transpose of an array of order m x n.

Q9) Write a program to find the first and second largest number of an array.

**Practical 4:**

Q10) Write a program to Arrange Array elements in Ascending order.

Q11) Write a program to Marge two linear arrays.

Q12) Write a program to reverse array elements

**Practical 5:**

Q13) Write a program to read a line of text using getchar function.

Q14) Write a program to read and write multiple lines of characters using arbitrary character to end inputting.

Q15) Write a program to reverse a given string.

**Practical 6:**

Q16) Write a program to conut the number of characters, words and lines in a text.

Q17) Write a program to check weather a given string is a palindrome or not.

Q18) Write a program to convert a string to uppercase.

**Practical 7:**

Q19) Write a program to implement 2D Array.

Q20) Write a program to Add Two 2D Arrays.

Q21) Write a program to find Multiplication of two 2D Arrays.

**Practical 8:**

Q22) Write a program to implement stack using array. Use functions to write Push and Pop operations of stack.
Q23) Write a program to calculate factorial of a given number.

**Practical 9:**

Q24 ) Write a program to convert  an infix expression in to prefix expression.

Q25) Write a program to convert  an infix expression in to postfix expression.

Q26) Write a program to convert postfix expression in to infix expression.

**Practical 10:**

Q27) Write a program to implement Queue using array . Use functions to write insertion and deletion operations.

Q28 ) Write a program to implement Circular Queue.

**Practical 11:**

Q29 ) Write a program to implement linear linked list using pointers.

Q30 ) Write a program to implement  Circular linked list using pointers.

**Practical 12:**

Q31 ) Write a program to implement Doubly linked list using pointers.

Q32) Write a program to implement Stack Using linear linked list .

Q33) Write a program to implement Queue Using linear linked list.

**AGGARWAL COLLEGE BALLABGARH**

**Class-B.C.A.-4th sem**

**Subject-HTML, C++**

## PRACTICAL 1

1. Apply formatting tags(bold, italic ,underline) on the below paragraph:-
2. Apply paragraph tags (<p>),break tag(<br>)on below paragraph:-
3. Give title and heading to your documents.(title=First program of H TML, heading= My first program).

A history of every thing

It start with a bang. Then everything inflates like a super balloon tieds up with super-strings, until the whole mess curdles into millions of milky ways. Starlight hits the volcanic rocks, and cooks up some tasty double-helix treats. They get eaten by each other, the fittest survive, a meteor kills the big ones and when it all freezes over the smart ones move into caves and start a fire

Wonders of the World

Vacations are not cheap. But who needs them anymore, with so many live cameras connected to the World Wide Web? Pack a picnic, and you can visit spacious pastures in allowed, New Jersey or the more scientifically minded at IBM's Alma den Research Center. Or if it's scenery you're after adventure to ta half payer backyard in Fremont California.

## Practical 2

1. Apply heading tags(h1,h2,h3,h4,h5.h6) on the following line:
   I love my India I am proud on my India.
2. Change font face, color ,size , alignments on the above paragraph:-
3. Apply <pre> tag on the marks of 5 student in a following format:-
   Stud roll stud name sub1 sub2 sub3 sub4 sub5 total %age

## Practical 3

1. Apply Definitions are indented with respect to the terms.

banana

a tropical yellow fruit

apple

one a day keeps the doctor away

lemon

basis of lemonade

2. Insert an image by using suitable path of the image on your html documents like:-
   <IMG SRC="protocol://server:port/path/*filename.ext*" WIDTH="#" HEIGHT="#">

**Practical 4**

1. Create order and unordered list by using html tags on the below elements:-
   - Vehicals
     1. Two wheelers
        - Bike
        - Bicycle
          - Companies of two wheelers
     2. Three wheelere
        - Auto
          - Companies of three wheelers
     3. Four wheelers
        - Car
          - Companies of four wheelers

You should create more than that list like fruits, electrical equipment's etc. and add at least five entries in each part of list.

2. Make a documents by using <small>,<big>,<sup>,<sub> , <strike>,  tags on the following paragraph:-

**New**[super]**strength** $H_2O$ plus will ~~strike out~~ any stain, big or small. Look for new [super] **strength** $H_2O$ *plus* in a stream near you.

**Practical 5**

1. Insert an background image and color on your document by using the following tag:-
   <body background="filename or URL">
2. Apply marquee tag on the following points:-
   1. Make a conference alert
   2. Make an admission alert (form date ,submission date, last date of submission of the form).
   3. Any breaking news flash about your document.
   4. Fresh results announcements and give an link page.
   5. New roll no. Issue to the students of BCA class .

Also give an alignment like up, down, left or right.

**Practical 6**

1. Create link from one page from another by the following code on the all **above** marquee alerts:-
   <a href="filename.html">admission alert symbol</a>

**Practical 7**

1.create a table according to BASIC TABLE
This table:

| Row 1, Col.1 | Col. 2 | Col. 3 | Col. 4 |
|---|---|---|---|
| Row 2 | aaa | bbb | Ccc |

| | | | |
|---|---|---|---|
| Row 3 | ddd | eee | Fff |

Is produced by this code:

```
<TABLE BORDER="1" CELLPADDING="4" CELLSPACING="0" BGCOLOR="#FFFF66">
<TR><TH>Row 1, Col.1</TH><TH>Col. 2</TH><TH>Col. 3</TH><TH>Col. 4</TH></TR>
<TR><TD>Row 2</TD><TD>aaa</TD><TD>bbb</TD><TD>ccc</TD></TR>
<TR><TD>Row 3</TD><TD>ddd</TD><TD>eee</TD><TD>fff</TD></TR>
</TABLE>
```

where:

| | |
|---|---|
| <TABLE> starts the table | </TABLE> ends the table |
| <TR> starts a row | </TR> ends a row |
| <TH> makes a column header | </TH> ends a column header |
| <TD> starts a column | </TD> ends a column |

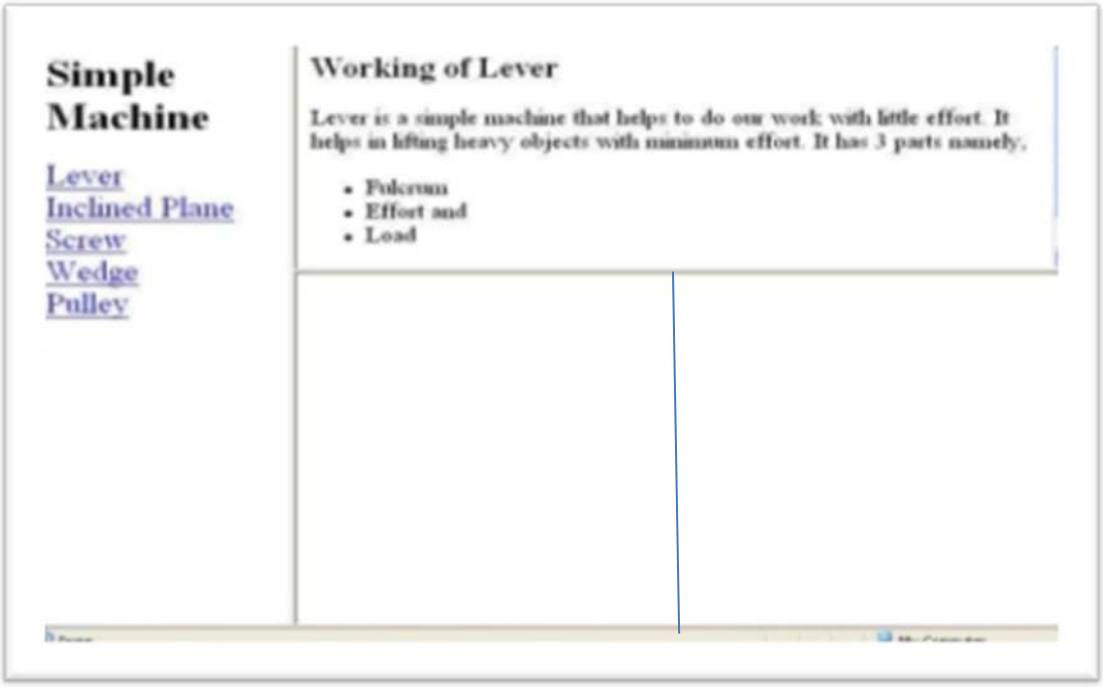
By default:

- a column header, <TH>, is displayed in bold and centered
- a regular cell entry, <TD>, is left aligned and in plain text, and
- the contents of cells in a row will be aligned vertically to the middle of the row from top to bottom.

Create atleast 10 rows and 10 columns in a table and make two tables as results of the students and a table of employees (at least 10 records in each table).

Note:- use alignment in tables like center, left or right.

**Practical 8**




1. Make frames on your document as per the above image.

**Practical 9**

1. Make admission form for college, job description form .

**Practical 10**

1. Make website on one of the following or as per your choice topics:
    1. Solar system
    2. Hospital management system
    3. Library management system
    4. Hotel management
    5. Flight reservation system
    6. Bank
    7. Departmental store
    8. Railway reservation
    9. Incredible india
    10. Customer care system on any of " e based system.

**Practical 11-12**

1. Preparing of web site and revision of various tags.

# C++

## PRACTICAL -1

1. WAP to calculate the compound interest for the entered value of principal, period and rate.
2. WAP to print the following output
   1
   2 2
   3 3 3
   4 4 4 4
   5 5 5 5 5
3. WAP to calculate the root of a quadratic equation.
   $2x^2 + 4x + 15$

## PRACTICAL -2

1. WAP to represent a Prime no. series
   1 2 3 5 7 11 13 ……
2. WAP to display Fibonacci series upto entered n numbers.
3. WAP to find the largest among entered n numbers.
   12,34,55,0,11,77,100,2,4,5

## PRACTICAL -3

1. WAP to calculate the multiplication of two matrices.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 5 | 6 | | 4 | 7 | 8 |
| 4 | 7 | 3 | * | 2 | 6 | 0 |
| 2 | 5 | 2 | | 0 | 1 | 5 |

2. WAP to calculate the addition of above two matrices.
3. WAP for implementing an inline function .

## PRACTICAL -4

1. WAP for illustrating scope resolution operator.
2. Write a function power() to raise a number m to a power n. The function takes a double value for m and int value for n and returns the result correctly. Use a default value of 2 for n. write a main that gets the values of m and n from the user.
3. WAP for implementing friend function using two classes.

## PRACTICAL -5

1. WAP for using object as function arguments(e.g. adding hours and minute in the class time)
2. WAP for returning objects as addition of two Complex numbers.
   4+5i and 7+9i

3. Define a class to represent a bank account. Include the following members:
   Data members
   1. Name of depositor
   2. Account number
   3. Type of account
   4. Balance amount in the account

   Member functions

   1. To assign the initial values.
   2. To deposit an amount.
   3. To withdraw an amount after checking the balance.
   4. To display name and balance.

**PRACTICAL -6**

1. WAP for implementing a constructor.
2. WAP for implementing all types of constructor.
3. WAP for dynamic initialization of constructor.
4. WAP for implementing destructor.

**PRACTICAL-7**

1. WAP for unary minus operator overloading.
2. WAP for binary operator overloading.
3. WAP for overloading of operator using friend function.

**PRACTICAL -8**

1. WAP for implementing single inheritance.
2. WAP for implementing multilevel inheritance.
3. WAP for implementing multiple inheritance.
4. WAP for implementing hybrid inheritance.

**PRACTICAL -9**

1. WAP for implementing the concept for virtual base class.
2. WAP for deriving constructor in the derived class.
3. WAP for implementing virtual functions.

**PRACTICAL -10**

1. WAP for illustrating the use of THIS pointer.
2. WAP for illustrating pointer to object.

3. WAP for array of pointer to object.
4. WAP for pointer to derived object.

**PRACTICAL -11**

1. WAP for implementing compile time polymorphism.
2. WAP for implementing run time polymorphism.
3. WAP for working with multiple files.

**PRACTICAL -12**

1. WAP for working with class template.
2. WAP for working with function template.
3. WAP for function template with multiple parameter.
4. WAP for member function template.

**PRACTICAL -13**

1. WAP for exceptional handling by try catch and throw statement.
2. WAP for implementing multiple catch statement.
3. WAP for implementing rethrowing an Exception.

**PRACTICAL -14**

For revision and Practical file.

**AGGARWAL COLLEGE BALLABGARH**

**Class-B.C.A.-5th sem**

**Subject- Graphics, Visual Basic**

COMPUTER GRAPHICS

PRACTICAL1:

Create a menu driven program to draw Line, circle, Ellipse, rectangle, Square.

PRACTICAL2:

W.A.P. to draw HUT.

PRACTICAL3:

W.A.P. to draw STAR.

PRACTICAL4:

W.A.P. for Natural scene with moving bird.

PRACTICAL5:

W.A.P. for solar system.

PRACTICAL6:

W.A.P. to for clock

PRACTICAL7:

W.A.P. to for concentric circles

PRACTICAL8:

W.A.P. for Blinking circles

PRACTICAL9:

W.A.P. for flying kite

PRACTICAL10:

W.A.P. for generating different line styles on screen

PRACTICAL11:

W.A.P. for making light house

W.A.P. to draw flag

PRACTICAL12:

W.A.P. for moving ball

**ASSIGNMENT ON VB**

**PRACTICAL 1**


- Use the properties window to set
  - – Main framas the form name.
  - – Myprogramsasthecaption.
  - – BackColortoWhite.
  - – BorderStyletoFixedSingle.
  - – WindowStatetoMaximised.
- Find the Menu icon and click on it to select it. Enter the following menu headings: Quit Introduction with indented subheadings of

  Example 1

Click on Quit menu heading and enter the following code. This procedure is used to exit from running the project display and return to the design screens.

```
Private Sub Quit_Click()

Unload me

End Sub
```

Practical 2

- Use the <F5> function key to run the application to verify that the Menu structure is correct and that the Quit procedure is free from error.

  **Set the following form properties:**

  1. form name as Welcome caption to Example1
  2. BackColor to White
  3. BorderStyle to Fixed Single
  4. WindowState to Maximised
- Click on the Example 1 main menu heading and enter the following code:

```
Private Sub Example1_Click()

 Welcome.Show

 End Sub
```

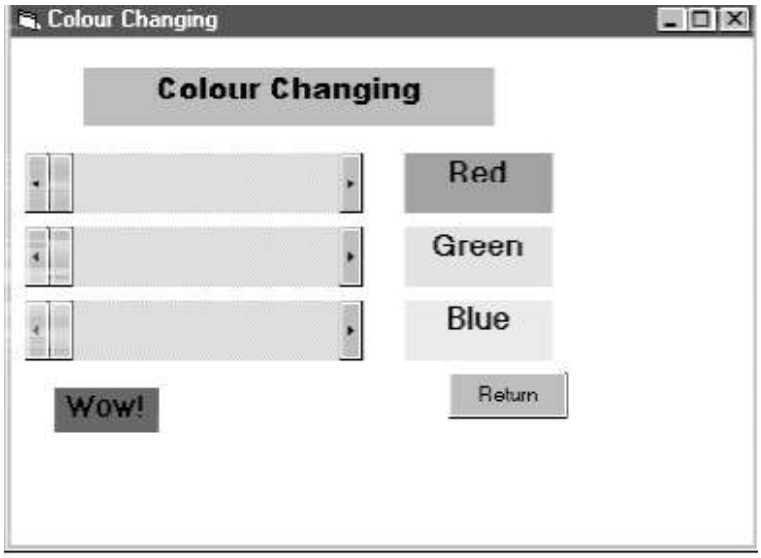
- Save your work and run <F5> to ensure that it is free of errors.
- Add two labels, an image and a command button to create a welcome screen.
- Select label icon from the toolbox. Click towards the centre-top of your form and position and resize your label as required.

  With the label selected, use the properties window to
  1. Change the caption to WELCOME TO VISUAL BASIC
  2. Choose a bright back colour
  3. Set the font (Arial, underline, alignment centred, size 24 point, forecolour blue)
  4. Repeat to add the Enjoy label.
  5. Use the image icon on your toolbox to add the image to your form. Use the
  6. properties window of the image to select a picture.
- Use the file menu to save your work and use <F5> to run the application.
- DON'T FORGET TO SAVE (AND BACK UP TO FLOPPY) ALL YOUR WORK.

Practical 3

- Open a new form and change it sname to ColourChanger. Place the following objects on this form.

    1. A heading label2 (Caption = Colour Changer)
    2. 3 horizontal scroll bars (Set the max value property of all three to 255)
    3. 3 other labels (2red, 3Green, 4Blue)
    4. a command button to quit the form (Caption = Return)
    5. another small label5 under the button with its visible property set to false.




- Double click each scroll bar and add the following code to its_on

  Change()event. Use

  cut and paste to make the task easier.

    1. Label1.BackColor = RGB(HScroll1.Value, HScroll2.Value, HScroll3.Value)
    2. Label5.BackColor = RGB(HScroll1.Value, HScroll2.Value, HScroll3.Value)
    3. Label1.ForeColor = RGB(255 - HScroll1.Value, 255 - HScroll2.Value, 255 - HScroll3.Value)
    4. Label5.ForeColor = RGB(255 - HScroll1.Value, 255 - HScroll2.Value, 255 - HScroll3.Value)
    5. Label5.Visible = True Label5.Caption = “WOW!”
    6. Label2.BackColor = RGB(HScroll1.Value, 0, 0) Label3.BackColor = RGB(0, HScroll2.Value, 0)
    7. Label4.BackColor = RGB)0, 0, HScroll3.Value)

- Double click the return button and add the following code to its_onClick()event

PRACTICAL 4

function is a segment of code that accepts zero, one or more arguments and returns a single result. Visual Basic includes many built-in functions (intrinsic functions). Some perform basic mathematical tasks. Others manipulate string data such as converting text to upper Case or lower Case letters. An argument is a value you pass to a function so the function has data to work with. Function names have parentheses at the end to hold the function arguments. Even if a function has no arguments, the parenthesis are required.

Two intrinsic functions include message boxes and input boxes.

Message and input boxes

Message and input boxes are intrinsic functions in Visual Basic 6.0 which allow the end user to interact with the program. Follow the instructions Add new form to menu at the end of Practical 1 to create a new form with a menu heading on the main form.
Call this "Message and Input Boxes"

- Make the Form.Caption = "Message and Input Boxes"
- Put a label on the top of the form "Computer Conversation". Underneath have a command button with the caption "Talk to me!" Name the command button cmdTalk.
- Double click the command button to add the following code sequence.

```
Private Sub cmdTalk_Click()
 Dim strQuestion As String
 Dim intAnswer As Integer
'First you must declare your variables'
'Then use the input and message box functions'
strQuestion = InputBox("Type in your name!", "Ebeneezer") intAnswer = MsgBox("Hello there" &strQuestion, vbOKCancel, "Chat")
End Sub
```

- Add a return button, called cmdBack as you did in the ColourChanger, using the code

```
Private Sub cmdBack_Click()
 Form1.Show
 End Sub
```

- Run your program using <F5>. Don't forget to save your work. Here are some handy literals (values that don't change). You don't have to learn them as the help prompt supplies a drop down list as you start to type.

**Buttons in Message Boxes**

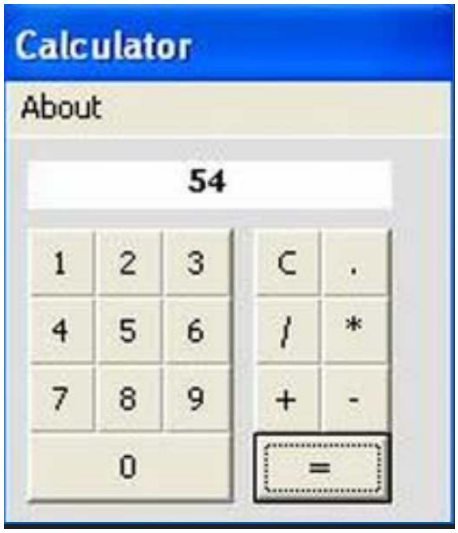
| Named Literal | Value | Description |
|---|---|---|
| vbOKOnly | 0 | Displays the OK button |
| vbOKCancel | 1 | Displays the OK button and Cancel buttons |
| vbAbortRetryIgnore | 2 | Displays the Abort, Retry and Ignore buttons. |
| vbYesNoCancel | 3 | Displays the Yes, No and Cancel buttons. |
| vbYesNo | 4 | Displays the Yes and No buttons. |
| vbRetryCancel | 5 | Displays the Retry and Cancel buttons. |

**Icons in Message Boxes**

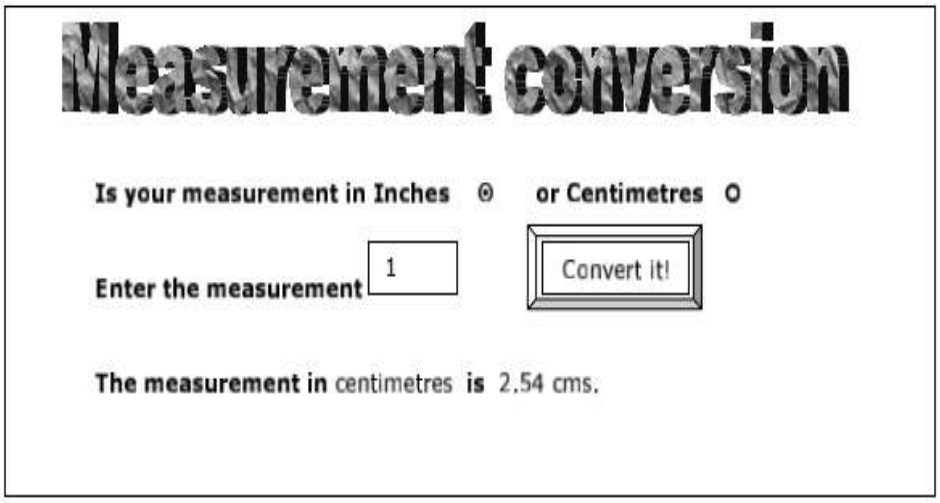
| Named literal | Value | Description |
|---|---|---|
| vbCritical | 16 | Displays Critical Message icon |
| vbQuestion | 32 | Displays Warning Query icon. |
| vbExclamation | 48 | Displays Warning Message icon. |
| vbInformation | 64 | Displays Information message icon. |
| vbSystemModal | 4096 | Displays a System Modal dialog box. The user must acknowledge this box before doing anything else. |

## PRACTICAL 5

Create a calculator that can add, subtract, multiply and divide two numbers given by the user.




## PRACTICAL 6




- Write a program to convert inches to centimetres OR centimetres to inches (using the conversion 1 inch = 2.54 centimetres).
- Use option buttons (from the toolbox) for the user to indicate whether the conversion is inches to centimetres or centimetres to inches.
- Use IF statements to determine which formula to use based on which option button is selected. Option buttons are mutually exclusive, i.e. only one can be selected at a time.

**PRACTICAL 7**

| Weight (gram) | Cost |
|---|---|
| 0 – 50 | $1.40 |
| 51–100 | $2.70 |
| 101–250 | $4.00 |
| 251–500 | $7.50 |

Design a project that allows a user to enter the weight in a text box and calculate the postage. Use Case statements in your code. Link this as CaseWeights under the Multiway menu heading in your main form.

**PRACTICAL 8**

Create a program to generate the first 20 Fibonacci numbers. This time use a counter to control the number of iterations. By using For Loop, Do While Loop, While Loop.

**PRACTICAL 9**

Writean event procedure to perform the following in vb:

- Reverse a string
- Determine whether the given string is palindrome
- Change the case of a string to upper or lower.

**PRACTICAL 10**

Create a menu with the following menu optins:

- Style(which includes bold, italic and underline)
- Colour (which includes blue, green and red)
- Change Case (which includes uppercase, lowercase).

**PRACTICAL 11-12**

Write a VB program to create a product table and to perform the following database operation :

- Insert the records
- Delete the records
- Update the records

**AGGARWAL COLLEGE BALLABGARH**

**Class-B.C.A.-6th sem**

**Subject- Java Programming**

## JAVA ASSIGNMENT

### Practical-1

1. Write a simple java program to print "Hello" word on the screen.
2. Write a simple command line argument program.
3. W.A.P swapping of two number.

### Practical-2

4. W.A.P to compute the area of circle.
5. W.A.P to find the perimeter & square.
6. W.A.P to generate this output

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

### Practical-3

7. W.A.P to generate this output

```
0
1 2
3 4 5
6  7 8 9
```

7. W.A.P to print this output

```
        1
      2  2
    3   3   3
  4   4   4   4
```

8. W.A.P to calculate the sum of digit of a given number.

**Practical-4**

9. W.A.P to calculate the Fibonacci series using do while.
10. W.A.P to display volume of a Box.
11. W.A. Simple Constructor program.

**Practical-5**

12. W.A.P of parameterized constructor.
13. W.A.P of Method overriding
14. W.A.P of Method overloading.

**Practical-6**

15. W.A.P to show use of Abstract class.
16. W.A.P of single inheritance.
17. W.A.P of multiple inheritance.

**Practical-7**

18. W.A.P of hierarchical inheritance.
19. W.A.P to create a single interface.
20. W.A.P to create your own package.

**Practical-8**

21. W.A.P of Exception Handling.
22. W.A.P to show multiple catch block.
23. W.A.P to show multiple try block.

**Practical-9**

24. W.A.P to show use of exception handling with finally method.
25. W.A.P to show use of a string
26. W.A.P to show use of a string buffer.

**Practical-10**

27. W.A.P to show use of a vector class.
28. W.A.P to show multi threading.
29. W.A.P to show use of simple applet.

**Practical-11**

30. W.A.P to draw a hut using applet with graphics.
31. W.A.P to draw a human face using applet with graphics.
32. W.A.P to draw a light house using applet with graphics.

**Practical-12**

33. W.A.P to read a file.
34. W.A.P to write a file.
35. W.A.P to reverse of already exist file.
36. W.A.P to accept a no. from used and count the no. of digits.
37. W.A.P check no. is Armstrong or not.

**AGGARWAL COLLEGE BALLABGARH**

**Class-B.C.A.-6th sem**

# DotNet

PRACTICAL 1:

- Create a console based application to display output on the screen.
- Create a console based application to accept input from user.
- Create a console based application to accept command line arguments from user.

PRACTICAL 2:

- Create a console based application to accept student detail(student name, roll no) at command line and display them on screen.
- Write a program to generate a window form with a simple message.

PRACTICAL 3:

- Write a program to generate a series of first 50 even numbers.
- Write a program to generate a FIBONACCI series .
    - 0, 1, 1, 2, 3, 5, 8, 13, 21
- Write a program to generate tables from 2 to 20 with first 10 terms .
- Write a program to find the greastest among three numbers.

PRACTICAL 4:

- Write a program to find the average of n natural numbers using for loop.
- Write a program that inputs an integer – determine if it is even or odd (USING IF ELSE STATEMENT).
- Write a program to find the given year is a leap year or not.
- Write a program to find the area of a triangle using
  Area= sqrt(s(s-a)(s-b)(s-c)), where s=(a+b+c)/2

PRACTICAL 5:

- Write a program to create a structure.
- Create a structure with constructor.
- Write program for matrix multiplication using array.

PRACTICAL 6:

- Write a program which calculate area of different shapes entered by user using switch case.
- Write a programwhich iterates over the elements of the string array using foreach loop.
- Execute the following program and recognise the output:

```
using System;
public class WhileLoopSample
{
public void RunForAwhile()
{
TimeSpan durationToRun = new TimeSpan(0, 0, 30);
DateTime start = DateTime.Now;
while (DateTime.Now - start < durationToRun)
{
Console.WriteLine("not finished yet");
}
Console.WriteLine("finished");
}
}
```

PRACTICAL 7:

- Create a class which have attributes, methods, consturctor and finalizer and create its objects as reference type as well as value type.
- Write a program to create a string indexer that returns a string value.
- Write a program which have overloaded constructors.

PRACTICAL 8:

- Write a program for handling exceptions.
- Wtrie a program to create nested namespaces.
- Write a program which have a static class.
- WAP for implementing single inheritance.

PRACTICAL 9:

- WAP for implementing multilevel inheritance.
- WAP for implementing multiple inheritance.
- WAP for implementing hybrid inheritance.
- WAP for implementing the concept for virtual base class.
- WAP for deriving constructor in the derived class.
- WAP for implementing virtual functions.

PRACTICAL 10:

- Write a program for reading a file.
- Write a program for writing in a file.
- Write a program to append the text in an existing file.
- Write a program to copy the data of one file to another.

PRACTICAL 11:

- Write a program to create a window based application for making a student registration form.
- Write a program to create a text editor.

PRACTICAL 12:

- Practical and Revision