



INDIRA GANDHI NATIONAL OPEN UNIVERSITY REGIONAL CENTRE DELHI-1

Assignment Submission for Term End Exam December - 2020

(Please read the instructions given below carefully before submitting assignments)

1. Name of the Student : Sparsh Sharma
2. Enrollment Number : 2251652356
3. Programme Code : BCA
4. Course Code : BCSL-013
5. Study Centre Code : 07162 (P)
6. Name of the Study Centre : Mahal Education and Research Institute
With complete address of (Tech EMERIT)- A 9 Outub Indus
-titutional area U SO Rd, Near JNU
New Delhi - 110067
7. Mobile Number : 8200426536
8. E-mail ID : xPredator2021@gmail.com
9. Above information is cross checked and it is correct: Yes/No

(The same details should also be filled up by the students in the google form, any mismatch in the form may result in rejection of assignment)

(Signature of the student)

Date of Submission: 27-11-22

A. General Instructions:-

1. Please do not send any assignment at any email of the Regional Centre Delhi-1, it will not be considered. No email in this regard will be responded individually.
2. Please write your name and enrollment no at the bottom of each page of your assignment.
3. Please retain ORIGINAL ASSIGNMENT submitted with you for record and also keep the assignment submission Email receipt automatically generated and received in your email given by you in google form in your safe custody. No other submission receipt will be given in this regard for online submission.
4. Please ensure that single legible PDF file is submitted for one course and it is successfully uploaded so that it may be downloaded for evaluation.

B. Assignment PDF file (ICMB maximum should have following components in the the sequence given:

1. Copy of IGNOU Identity Card
2. Second page should be this document as Annexure-I.
3. Copy of valid/applicable assignment question paper attempted by you.
4. Hand written Assignments.

 **ignou**
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UNIVERSITY

इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय
मैदान गढ़ी, नई दिल्ली - 110068
Indira Gandhi National Open University
Maidan Garhi, New Delhi - 110068

QR Code

IGNOU - Student Identity Card

Enrolment Number : 2251652356

RC Code : 07: DELHI 1 (MOHAN ESTATE (SOUTH DELHI))

Name of the Programme : BCA : BACHELOR OF COMPUTER APPLICATIONS

Name : SPARSH SHARMA

Father's Name : ARUN KUMAR SHARMA

Address : C-37, STREET NO. 3 KANTI NAGAR, EXTN. KRISHNA NAGAR DELHI/EAST DELHI

Pin Code : 110051

225165




Registrar
Student Registration Division

Instructions:
1. This card should be produced on demand at the Study Centre, Examination Center or any other Establishment of IGNOU to use its facilities.
2. The facilities would be available only relating to the Programme/course for which the student is registered.
3. This ID Card is generated online. Students are advised to take a color print of this ID Card and get it laminated.
4. The student details can be cross checked with the QR Code at www.ignou.ac.in

Course Code	:	BCSL-013
Course Title	:	Computer Basics and PC Software
Assignment Number	:	BCA(1)/L-013/Assignment/2022-23
Maximum Marks	:	100
Weightage	:	25%
Last date of Submission	:	31 st October, 2022 (For July Session)
	:	15 th April, 2023 (For January Session)

Answer all the questions in the assignment which carry 80 marks in total. Rest 20 marks are for viva voce. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the Programme Guide for the format of presentation. Make suitable assumption if necessary

Section 1: Linux operating system

- Q1. (a) Run the following (Linux commands and write the output) (10)
- mkdir
 - init
 - ls -l
 - chmod
 - kill
- (b) Perform the following tasks in Linux (6)
- (i) Display the first 10 lines and last 10 lines of a text file (you need to create a text file consisting around 50 lines)
 - (ii) Identify all files in your home directory which a group has written permission on it.
 - (iii) To count the no. of times word "*the*" has occurred in the text file.

Section 2: Power point

- Q2. Create a Power Point Presentation on the important features of Windows OS (minimum 10 slides) (16)
- (i) All slides should follow the common design format
 - (ii) Add a video to at least one slide which can be run on full screen option
 - (iii) All the slides should have timer based transition.
 - (iv) All the slides should have perform heading and slide notes.
 - (v) Each slide should have one image related to Windows operating system.

Section 3: Word Processing

- Q3. (a) Create multilevel month and week wise schedule for performing different academic tasks. Months should be numbered as A1.....to A12. Each month should be further broken into weeks numbered as W1...W4. For each week , academic activities such as attending counseling sessions, watching video lectures, etc., should be in numerical order(1,2,3...)
- (b) Design a flyer for a COVID 19 vaccination campaign. Use different styles, sizes, fonts, colours and effects.

(6)

(10)

Section 4: Worksheet

- Q4. Create a work sheet containing pricing information of a company which deals in sales of computers & computer peripherals. You are required to calculate discount, sales price (MRP- Discount) and profit margin(MRP-sales price)

(16)

Product	Product code	Manufacturing Cost	MRP	Discount (10%)	Profit margin
Computer	C-1	24000.00	27000.00	-	-
Laser printer	C-2	4000.00	6000.00		
Filing cabinet	C-3	6500.00	7000.00		
27th monitor	C-4	2200.00	3000.00		
Mouse	C-5	430.00	500.00		

Section 5: Browsing and Discussion Forum

- Q5. Collaborate online (in a group) on Google docs to create a presentation on 'Smart City Design'. All the group members should work on the presentation simultaneously from their respective machines. Use speaker notes for any online discussion and present a comprehensive report. (The report should comprise the latest amenities in the design of smart cities).

(16)

Section: 1 Linux for operating system

Q. Run the following Linux commands and write the output)

- ~~MA~~ mkdir

This command mkdir stand for "make directory". It creates each directory specified on the command line in the order given. It reports an error if DIRECTORY already exists, unless the -p option is given.

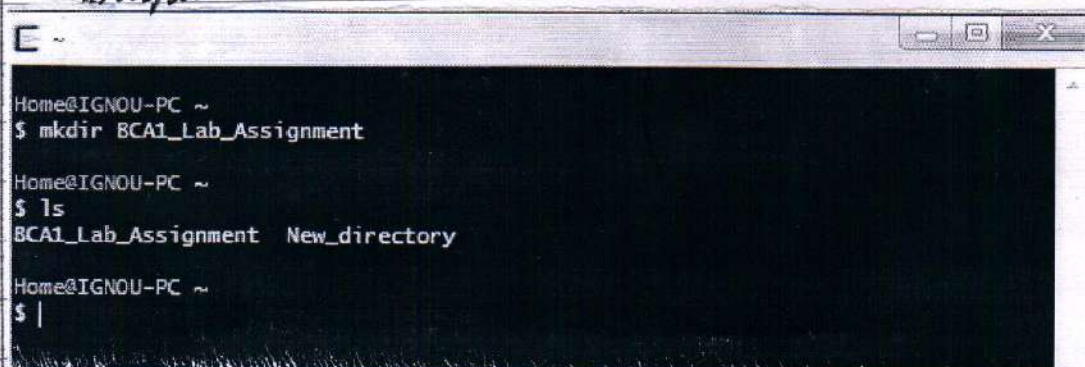
create a simple directory at current folder / directory

Syntax : `mkdir <directory name>`
command to get output : `ls`

Example

Command 1 → ~~mkdir~~ mkdir 'BCA1_LAB_Assignment'
Command 2 → `ls`

Output :



```
E ~
Home@IGNOU-PC ~
$ mkdir BCA1_Lab_Assignment
Home@IGNOU-PC ~
$ ls
BCA1_Lab_Assignment  New_directory
Home@IGNOU-PC ~
$ |
```


init

The `init` command is an executable shell script that terminates all active processes on a system and then synchronizes the disk before changing run levels. The `init 6` command stops the operating system and reboots to the state that is defined by the `initdefault` entry in the `/etc/inittab` file.

Syntax: `init 6`
Output:

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~$ init 6
```

```
SeaBIOS (version rel-1.12.1-0-ga5cab58e9a3f-prebuilt.qemu.org)
```

```
iPXE (http://ipxe.org) 00:03.0 C980 PCI2.10 PnP PMM+BB791460+BB6F1460 C980
```

```
Booting from DVD/CD...
```

```
Boot failed: Could not read from CDROM (code 0003)
```

```
Booting from Floppy...
```

```
Boot failed: could not read the boot disk
```

```
Booting from Hard Disk...
```


ls-l

Type the ls-l Command to list the contents of the directory in a table format with columns including:

- content permission
- number of links to the content
- Owner of the content
- group owner of the contents
- size of the content in bytes
- last modified date / time of the content
- File or directory name

Output

E -

```
Home@IGNOU-PC ~
$ ls -l
total 0
drwxr-xr-x 1 Home None 0 Sep 14 17:51 BCA1_Lab_Assignment
drwxr-xr-x 1 Home None 0 Sep 14 16:13 New_directory
Home@IGNOU-PC ~
$
```

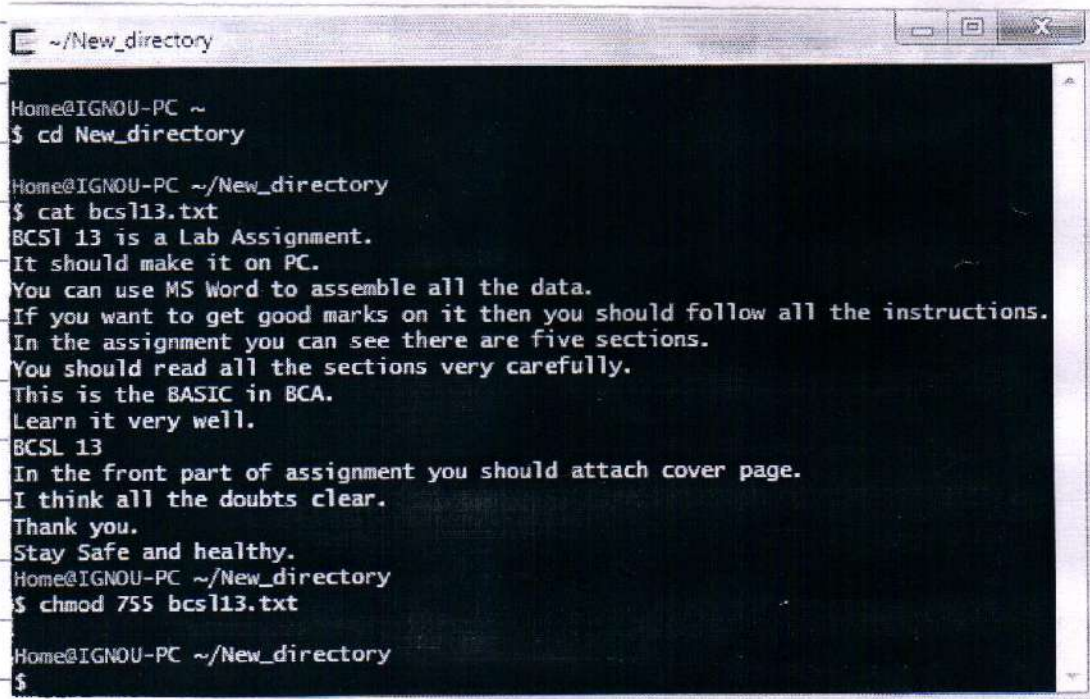
chmod

Linux chmod command is used to change the access permission of file and directories. It stands for change mode.

Basic syntax / Command: `chmod <options> <Permissions> <file name>`

Example of Command: `chmod 755 bcs113.txt`

The above command is used for the setting of bcs/13.txt to "read, write, and execute by owner" and "read and execute by the group and everyone else".



```
~ /New_directory
Home@IGNOU-PC ~
$ cd New_directory

Home@IGNOU-PC ~/New_directory
$ cat bcs113.txt
BCSI 13 is a Lab Assignment.
It should make it on PC.
You can use MS Word to assemble all the data.
If you want to get good marks on it then you should follow all the instructions.
In the assignment you can see there are five sections.
You should read all the sections very carefully.
This is the BASIC in BCA.
Learn it very well.
BCSL 13
In the front part of assignment you should attach cover page.
I think all the doubts clear.
Thank you.
Stay Safe and healthy.
Home@IGNOU-PC ~/New_directory
$ chmod 755 bcs113.txt

Home@IGNOU-PC ~/New_directory
$
```

Kill

Kill command in linux (located in /bin/kill), is a built-in command which is used to terminate processes manually. Kill command signal to a process which terminates the process.

Kill 1: To display all the available signals you can use below command Option:

Syntax: Kill 1

Output :

```
Home@IGNOU-PC ~
$ kill -l
1) SIGHUP      2) SIGINT      3) SIGQUIT     4) SIGILL      5) SIGTRAP
6) SIGABRT     7) SIGEMT     8) SIGFPE      9) SIGKILL     10) SIGBUS
11) SIGSEGV    12) SIGSYS    13) SIGPIPE    14) SIGALRM    15) SIGTERM
16) SIGURG     17) SIGSTOP   18) SIGSTP     19) SIGCONT    20) SIGCHLD
21) SIGTTIN    22) SIGTTOU   23) SIGIO      24) SIGXCPU    25) SIGXFSZ
26) SIGVTALRM  27) SIGPROF   28) SIGWINCH   29) SIGPWR     30) SIGUSR1
31) SIGUSR2    32) SIGRTMAX

Home@IGNOU-PC ~
$ |
```

Solution 1 (6)

Display the first 10 lines and last 10 lines of a text file

Command to create a new directory
~~the~~ mkdir New directory

Command to Change the directory : Cd .New dir

Command to Create the New txt File : Cat > filename.txt

and then type file Content. Press Ctrl+D to Save the file

Display first 10 line

command - head

Syntax head -10 <filename.txt>

Display the last 10 line

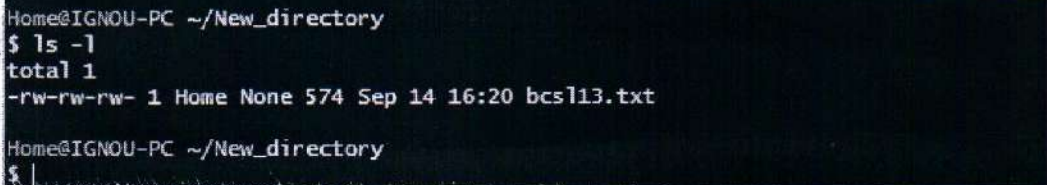
command : tail

Syntax tail -10 <filename.txt>

- (ii) Identify all files in your home directory which a group has written permission on it.

command - chmod a+w <filename.txt>

command2 - ls -l

 Home@IGNOU-PC ~/New_directory
\$ ls -l
total 1
-rw-rw-rw- 1 Home None 574 Sep 14 16:20 bcs113.txt
Home@IGNOU-PC ~/New_directory
\$

- (iii) To count the no. of the times word "the" has occurred in the text file.

We can use grep command to count the number of times "the" appears in the file as show.

Syntax `grep -wc "your-text" filename`

```
Home@IGNOU-PC ~/New_directory
```

```
$ cat bcs113.txt
```

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BCSL 13

In the front part of assignment you should attach cover page.

I think all the doubts clear.

Thank you.

Stay Safe and healthy.

```
Home@IGNOU-PC ~/New_directory
```

```
$ grep -wc "the" bcs113.txt
```

```
7 ← word "the" mentioned 7 times. in the file.
```

```
Home@IGNOU-PC ~/New_directory
```

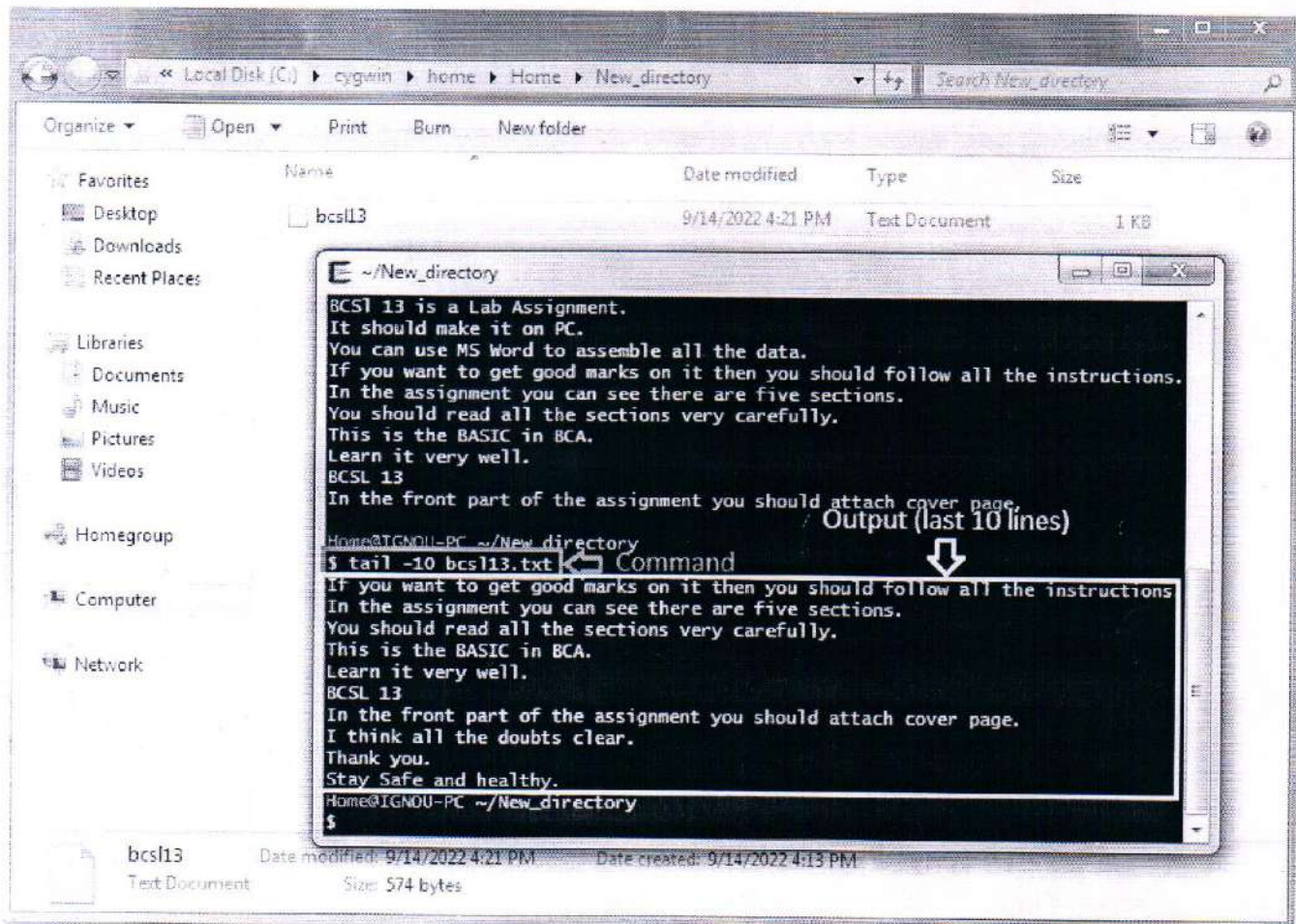
```
$
```


Syntax: `tail -10 <filename.txt>`

```
~/New_directory
Home@IGNOU-PC ~
$ mkdir New_directory

Home@IGNOU-PC ~
$ cd New_directory

Home@IGNOU-PC ~/New_directory
$ cat>bcs113.txt
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Home@IGNOU-PC ~/New_directory
```



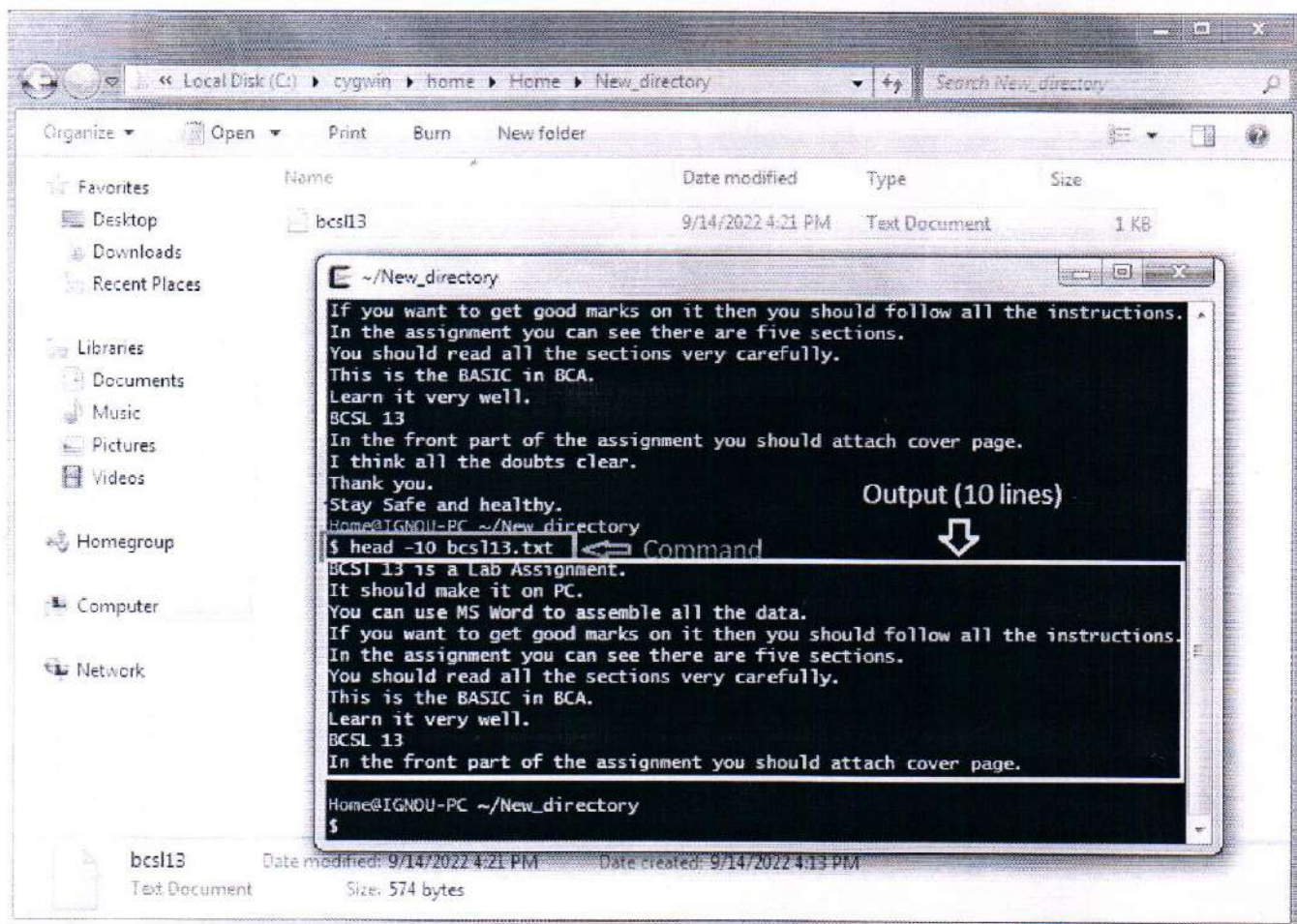
(ii) Identify all files in your home directory which a group has written permission on it.


```

~/New_directory
Home@IGNOU-PC ~
$ mkdir New_directory

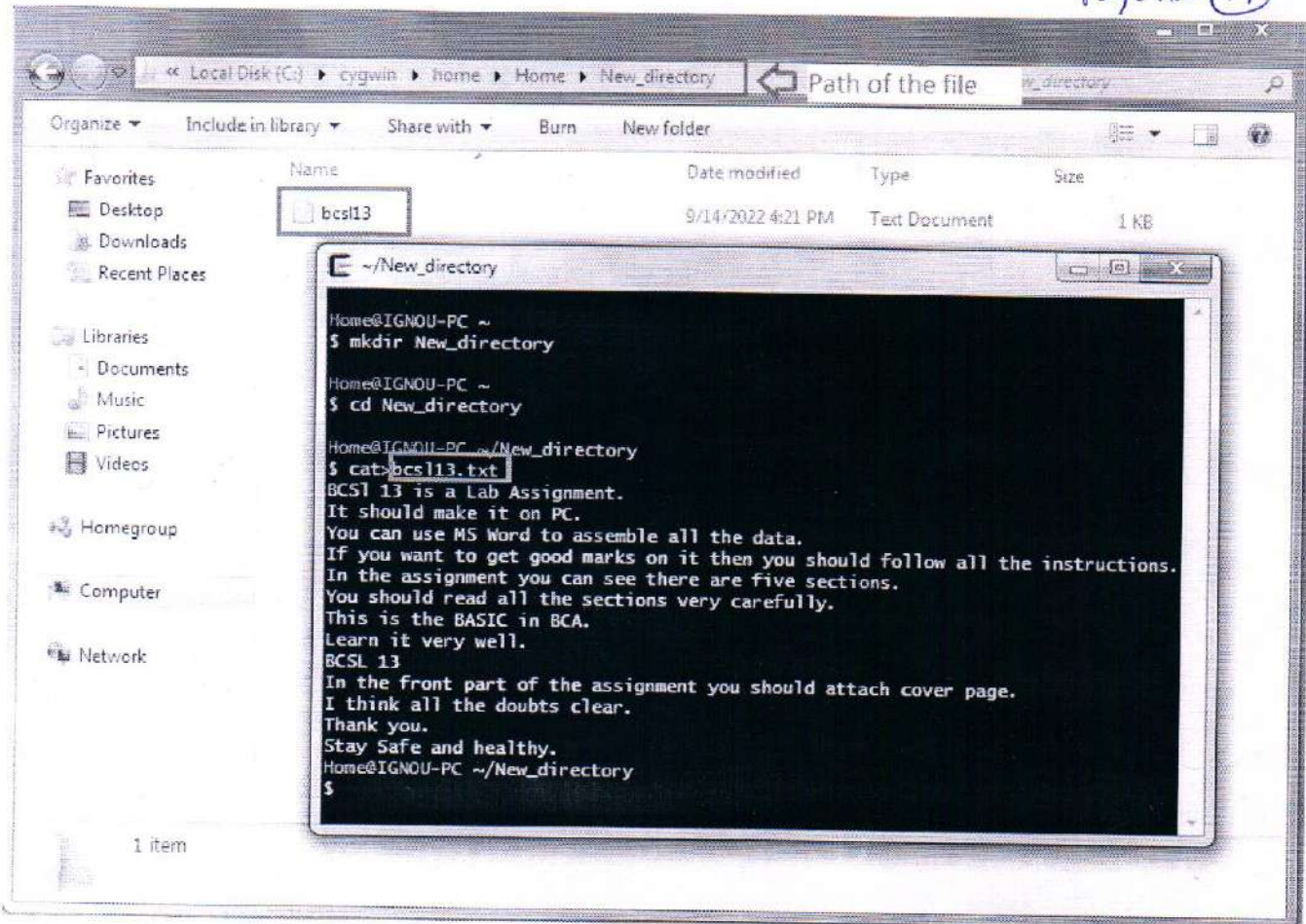
Home@IGNOU-PC ~
$ cd New_directory

Home@IGNOU-PC ~/New_directory
$ cat>bcs113.txt
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Thank you.
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Home@IGNOU-PC ~/New_directory
    
```



Display the last 10 lines:

Command : tail



Display first 10 lines:

Command: **head**

Syntax: **head -10 <filename.txt>**

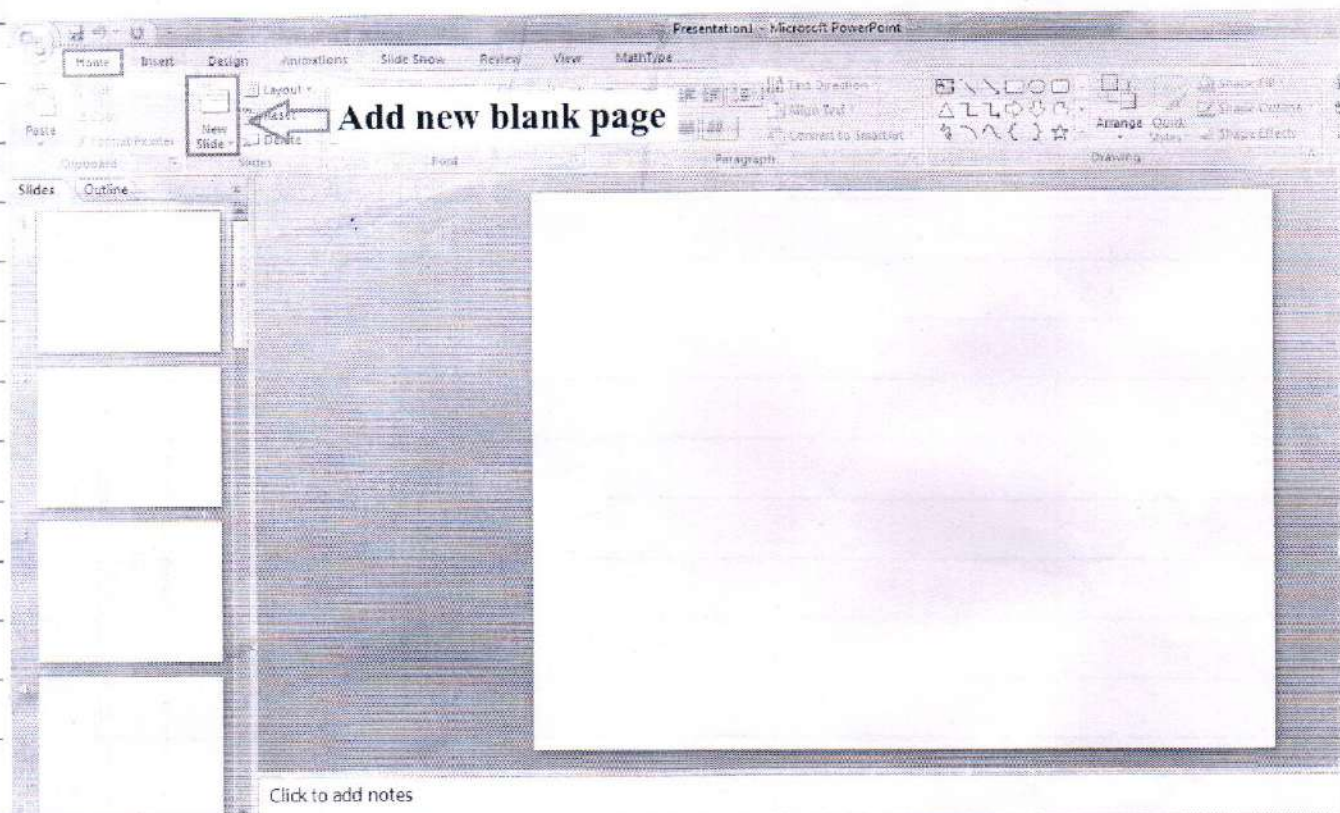
Section - B or 2

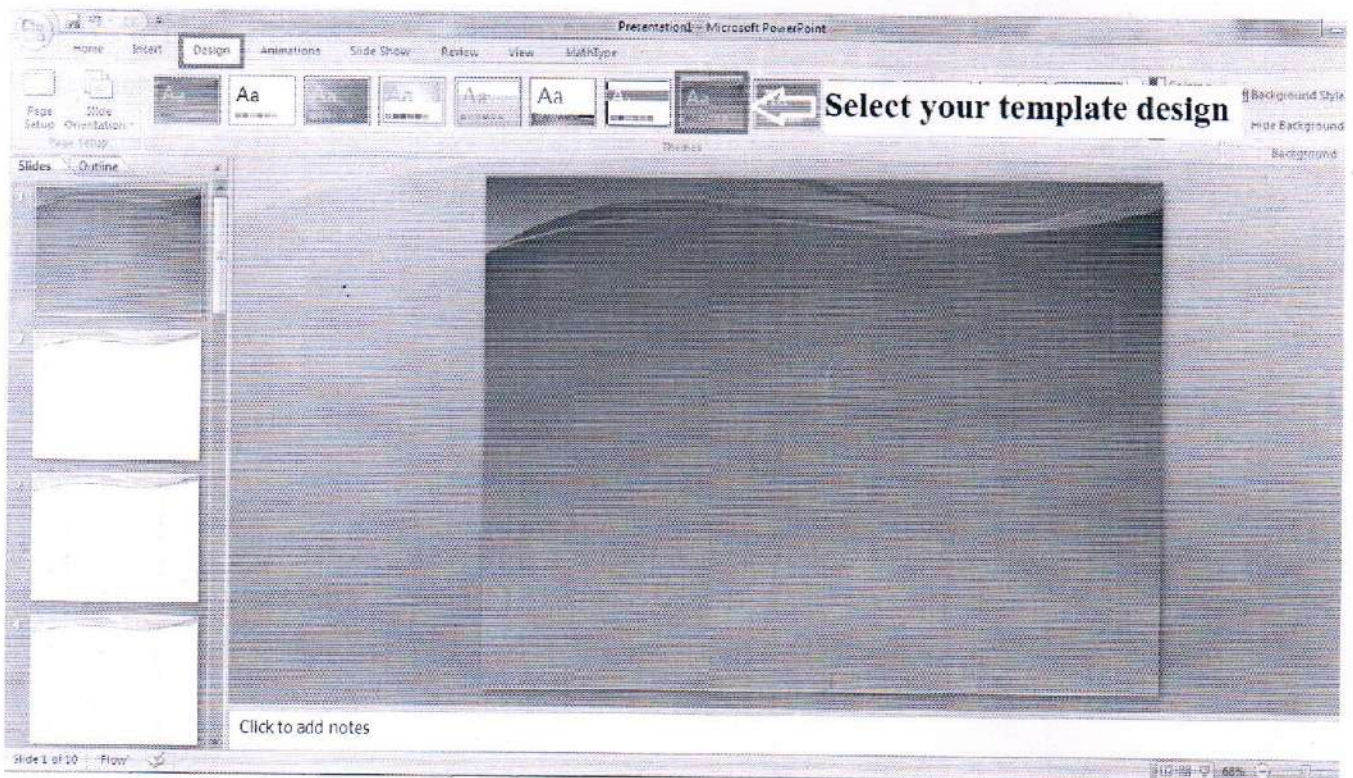
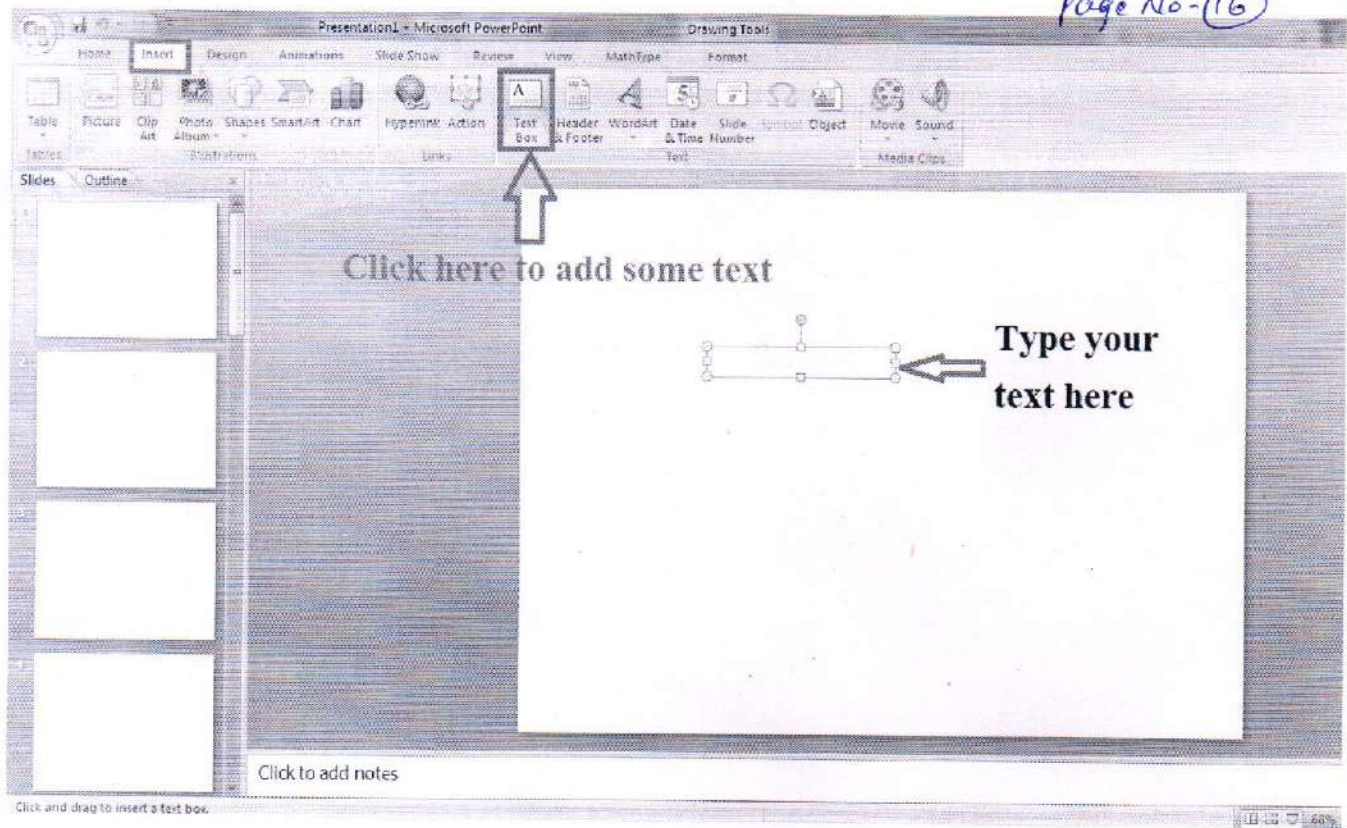
Power Point

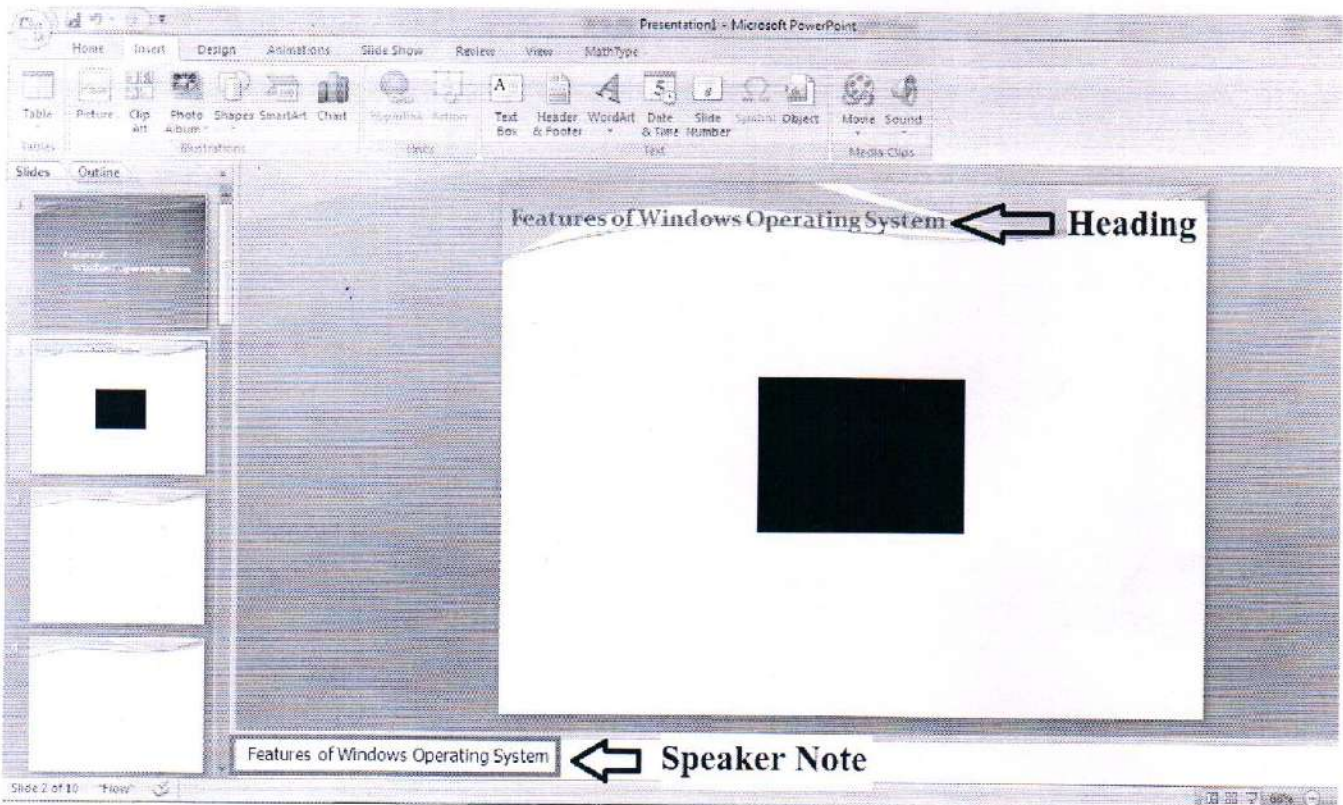
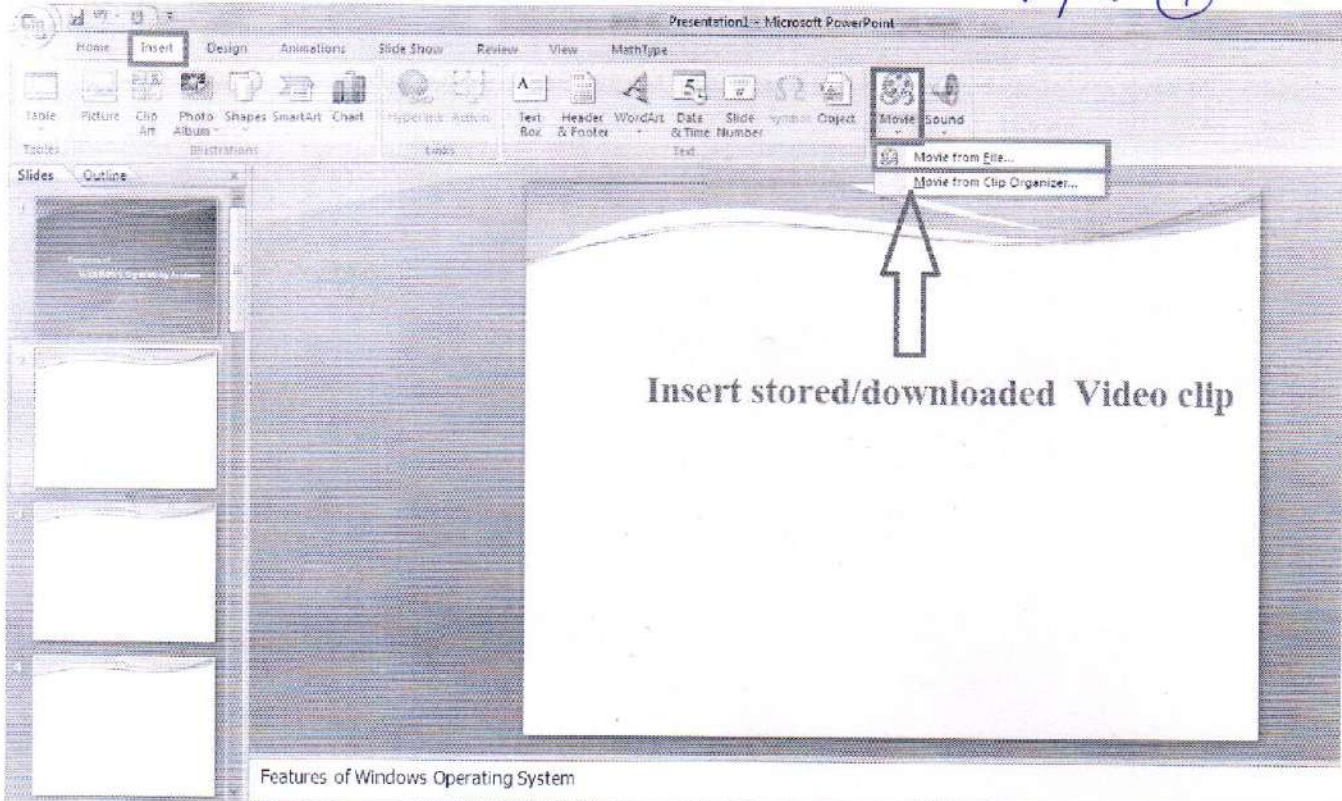
Q2 Create a power Point Presentation on the imp feature of windows OS .

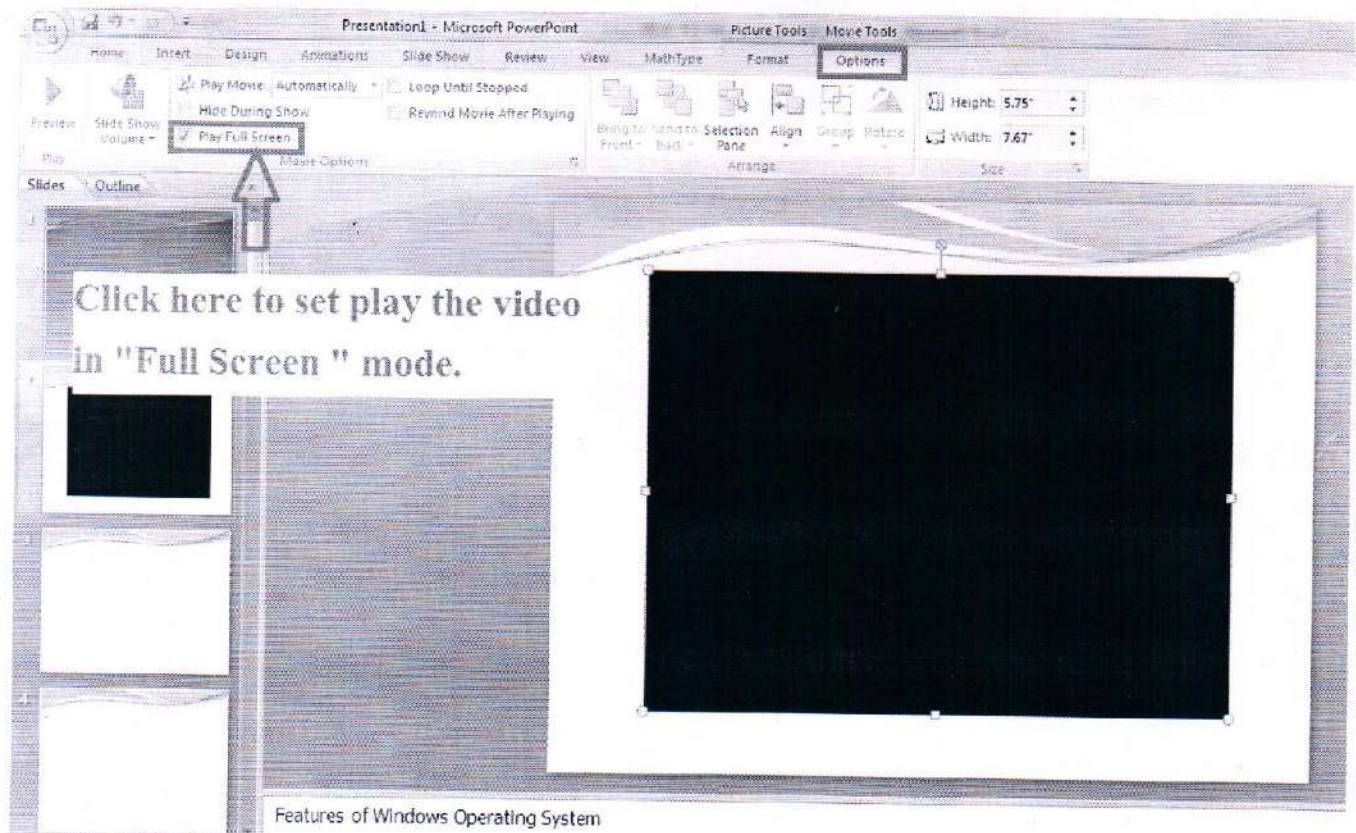
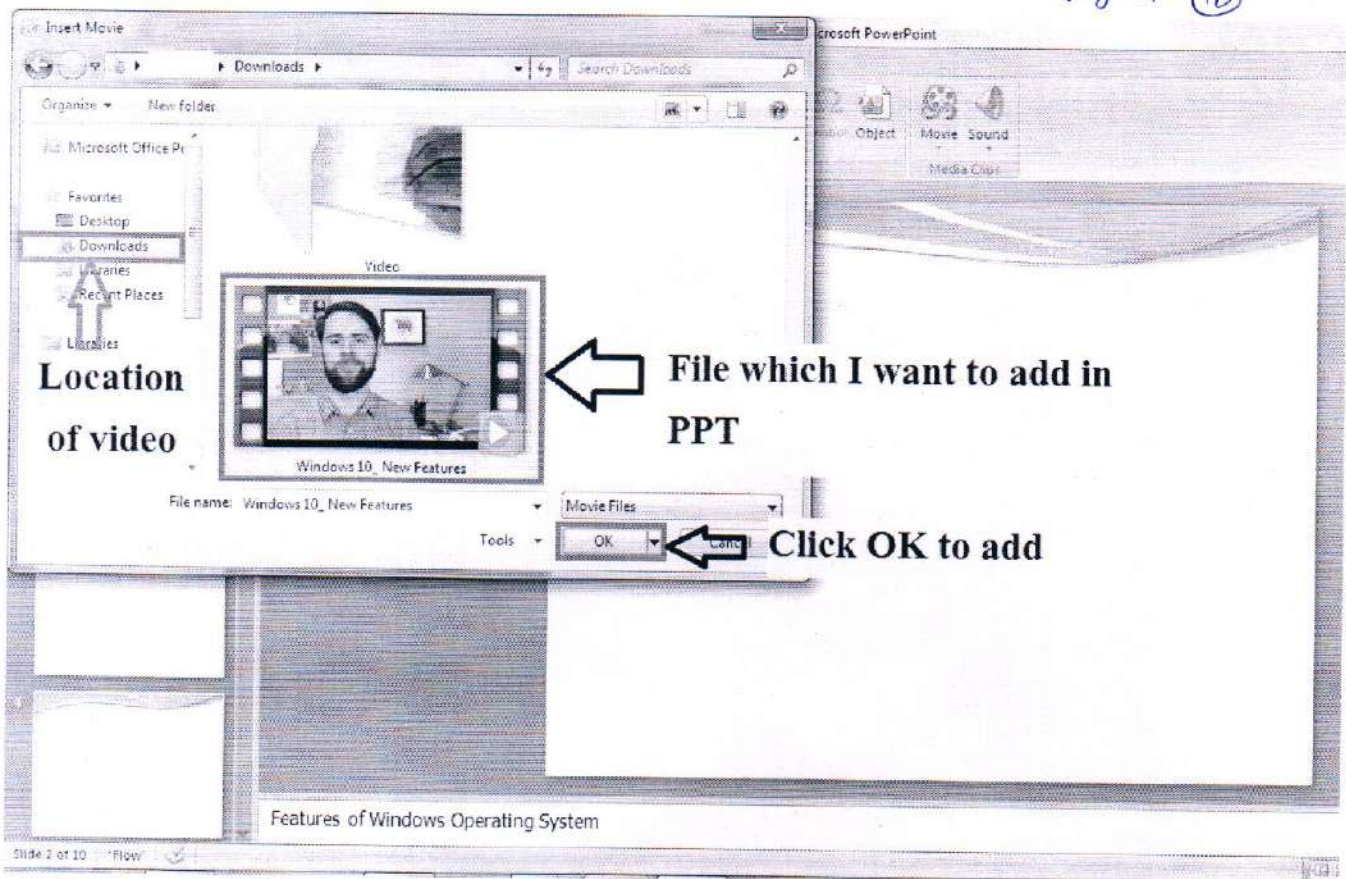
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- 2 Add a video to at least one slide which can be run on full screen option
- 3 All the Slides Should have timer based transiti
- 4 All Slides Should have ~~time~~ perform heading and slide notes
- 5 Each Slide Should have one image related

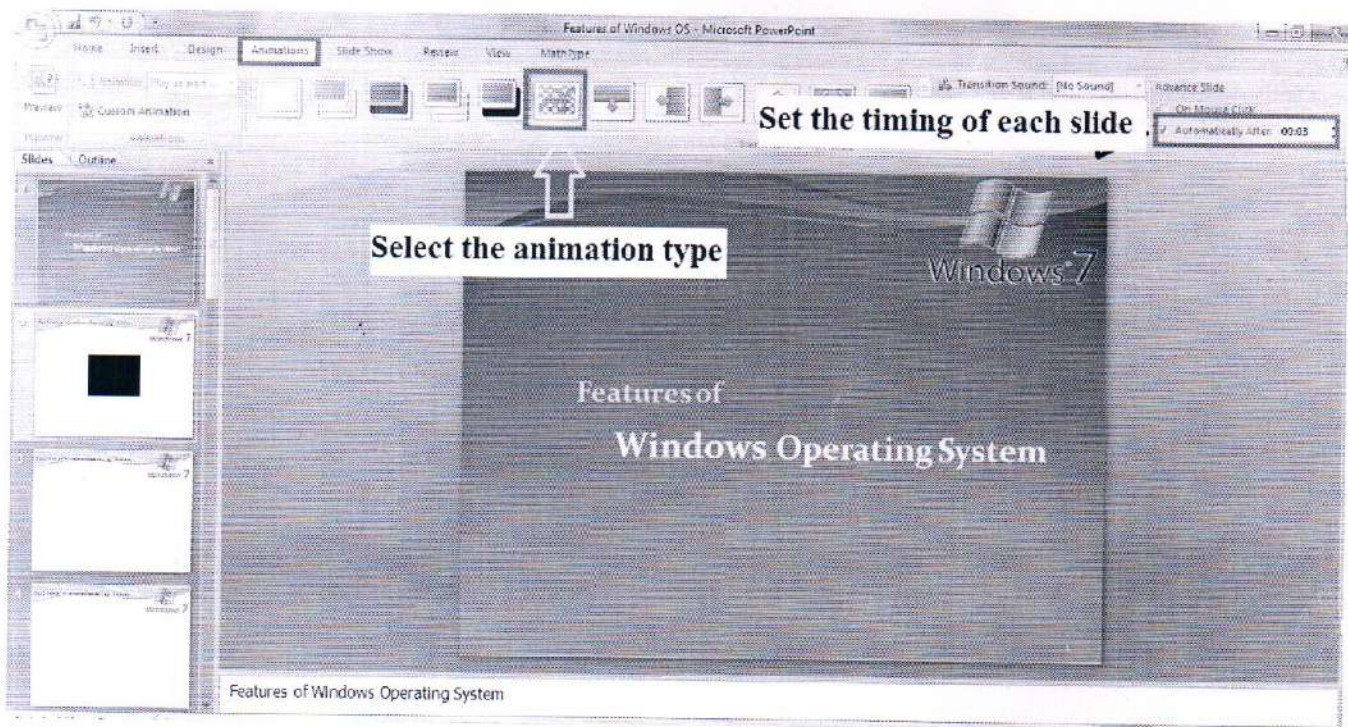
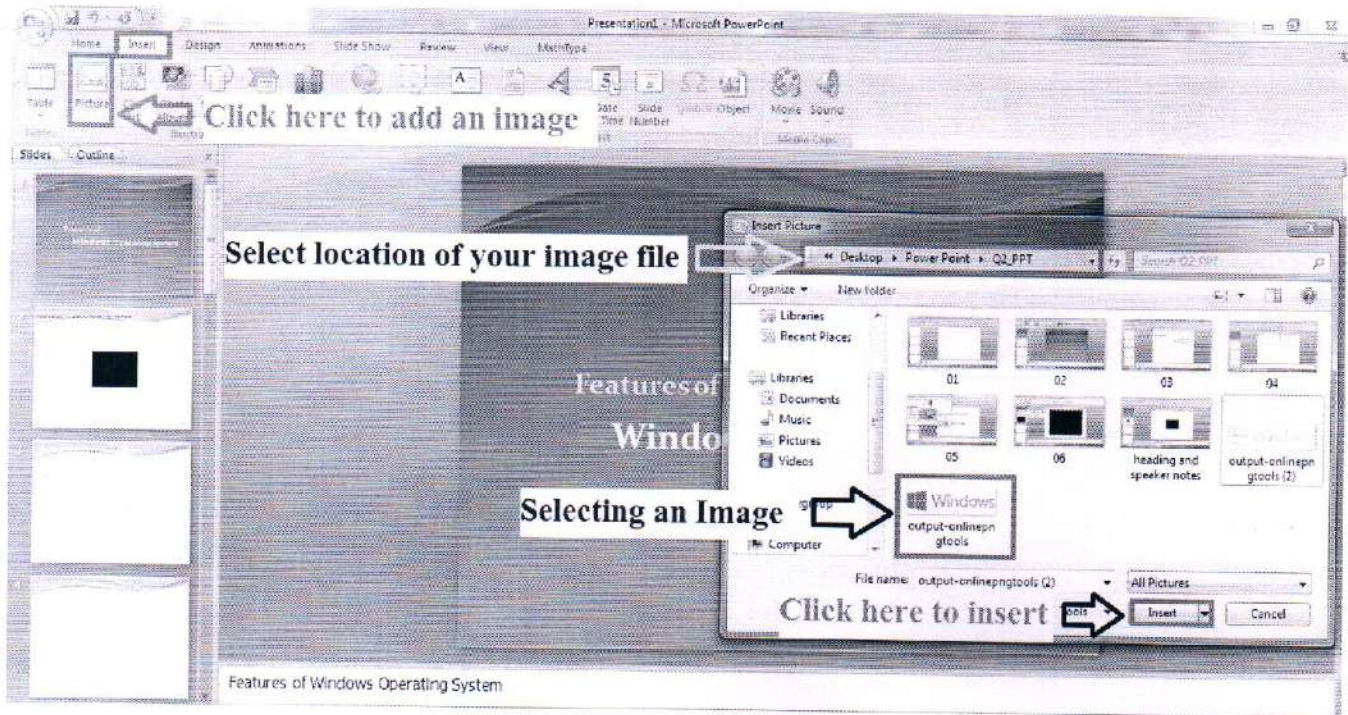
Creating a Power Point Presentation on the Important Features of Windows OS:-











Our PPT is completely ready to present.

Now, screenshots of 10 slides are the following:

