Background Before Programming UI, Commands, Concepts





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User Interface



"Ways to access/use applications by user"

Graphical User Interface

Interface allows users to access application via icons, buttons, audio indicators, mostly used end users (non technical as well)

Examples









Windows

Android

iPhone

MAC

User Interface

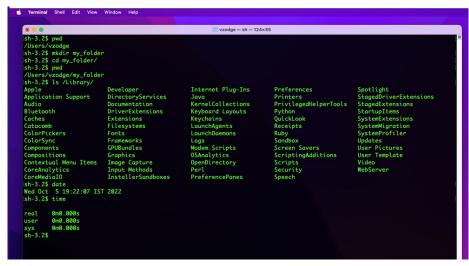


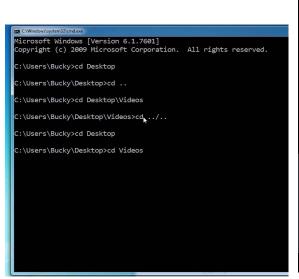
"Ways to access/use applications by user"

Console User Interface

Interface allows users to access application commands, mostly used by technical people's/engineers/developers

Examples







MAC Terminal

Windows DOS/Command Prompt

Android Termux

Basic Commands Linux and Windows



Action	Linux/MAC/Termux Command	Windows Command
List the directories from the folder	Is -I	dir -p
Create new directory	mkdir my_dir	md my_dir
Change directory	cd my_dir	cd my_dir
Go back to previous/parent directory	cd	cd
Delete directory	rm -r my_dir	del my_dir
Copy file	cp a.txt my_dir/a.txt	copy a.txt my_dir/a.txt
View file	cat a.txt	type a.txt

Advance Linux Commands to Learn



Below commands are must for the developer

date	man
time	history
whoami	exit
which	telnet
diff	awk
du	sed
free	uname
top	kill
ipconfig	apt install
netstat	sudo
wget	cut
curl	In (LN in small)
echo	touch
history	mv
	time whoami which diff du free top ipconfig netstat wget curl echo

Pipe (I) Ctrl+c Ctrl+r !!

Programming Concept - Instructions, Data & Sequence



Function: Prepare 2 cup of tea

Data:











Instructions:



- 1. Light the gas
- 2. Keep pot on the gas
- 3. Pour the 1 cup of water
- 4. Pour the 1 cup of milk
- 5. Put 2 spoon sugar in the pot
- 6. Put 1 spoon tea powder in the pot
- 7. Let the tea boil for 4 min

Things to Note:

Function Parameter

Data

Instructions

Sequence

Programming Concept - Instructions, Data & Sequence



Function: Perform addition of 2 numbers given by user

Data:

Number 1 given by user

Number 2 given by user

Instructions:



- . Addition of Number 1 and Number 2
- 2. Print the addition

Programs

```
#include<stdio.h>

void addition(int argc, char* argv)
{
   int a,b,c;
   printf("Enter two numbers to perform addition");
   scanf("%d%d",&a,&b);
   c=a+b;
   printf("Addition of two number is %d",c);
}
```

```
C Language
```

```
public class Addition
{
         public static void addition(int num1, int num2)
         {
                int c;
                    c=num1+num2;
                    System.out.println("Addition of two number is "+c);
                }
}
```

Java

Things to Note:

Function Data
Parameter Instructions

Sequence



END