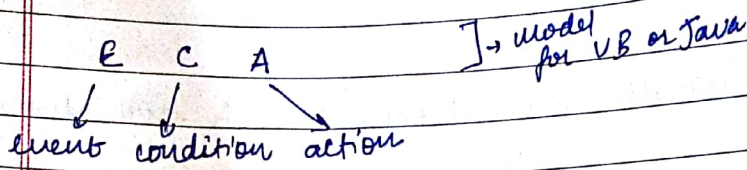


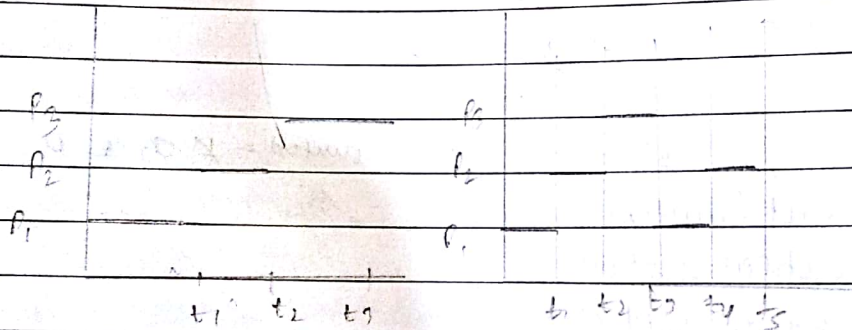
## Shell scripting



Scripts - Command oriented

Program - Set of instructions & data

Spooling - Simultaneous processing on objects online.



echo "Hello"

read a

read b

echo \$a

echo \$b

b=\$a

b=5

c=\$a+\$b

a=5

b=6

c = 'expr \$a \$ + \$b'

echo \$c

+ - / % \*



echo \$0 } command line arguments  
 " \$1

\$# → no. of parameters  
 \$\* → all parameters

if [ condition ];  
 then

--

--

fi

if [ \$x -gt \$y ] ; → if x > y

> -gt

>= -ge

< -lt

<= -le

= -eq

≠ -ne

if [ \$x -gt \$y -a \$z -eq 0 ];

→ if x > y and z = 0

read file → exists

if [ -e \$file ];

then

echo "File exists"

fi

-r read

-w write

-x executable

-d directory

if [ cond ]

⋮

elif [ cond ]

⋮

else

⋮

fi

if [ cond ]

⋮

else  
 if [ cond ]

⋮

else [ ... ]

⋮

fi

read a

read b

c = 'expr \$a + \$b'

echo \$c

c = 'echo \$ \$a + \$ \$b ! bc'

\$( ( ))

7.2

2.1

9

Q1. Write a shell script to <sup>accept a number</sup> ~~accept a number~~ and check whether its even or odd.

Q2. Accept marks of 5 subjects, calculate average and print grade according to Univ exam rules.

Q3. Accept a file from the user. Check if it exists or not. If it <sup>doesn't</sup> exists, create it. If it does, print its associated permission.

Q4. Write a shell script to find the greater of 3 num.

Q5. Write a shell script to check whether an year is a leap year. Take input.