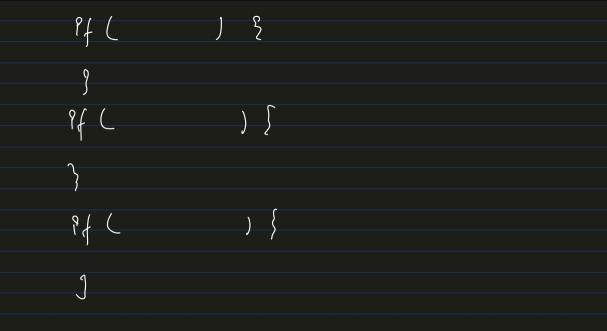
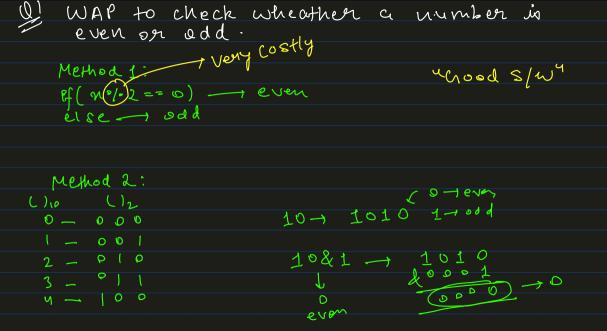
# conditionals	
Syntan	
of (/* condition */) {	of (/* condition */) {
1/block of if	1/block of if
g else f	//block of if else if (/* condition */) {
z	3
	eire S
	(
	J





es(nd1) - odd espe even

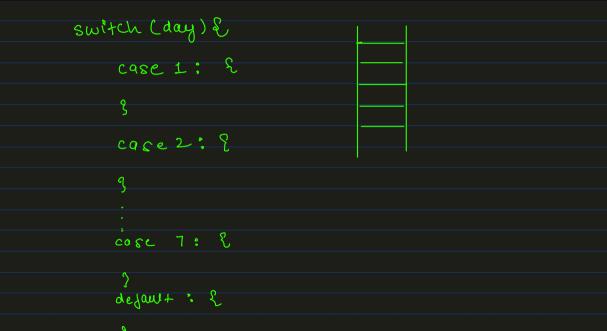
eve~

else odd

day corresponding to it Monday Sunday else - Invalid day 12:55

```
- We are matching a variable
if (dav == 1) {
  cout << "MONDAY" << endl;</pre>
else if (day == 2) {
                                  vulth different values.
  cout << "TUESDAY" << endl;</pre>
else if (day == 3) {
  cout << "WEDNESDAY" << endl;</pre>
                              In such cases, where we have
else if (day == 4) {
  cout << "THURSDAY" << endl;</pre>
                               to compare variable value with
else if (day == 5) {
                                 either a numer c value / character
   cout << "FRIDAY" << endl;</pre>
                                 value, then we can use
else if (day == 6) {
  cout << "SATURDAY" << endl;</pre>
                                 switch statement
else if (day == 7) {
  cout << "SUNDAY" << endl;</pre>
```

cout << "INVALID DAY";



```
case 1: {
     cout << "Monday" << endl;</pre>
}
case 2: {
     cout << "Tuesday" << endl;</pre>
     cout << "Wednesday" << endl;</pre>
     cout << "Thursday" << endl;</pre>
case 5: {
     cout << "Friday" << endl;</pre>
     cout << "Saturday" << endl;</pre>
}
case 7: {
     cout << "Sunday" << endl;</pre>
     cout << "Invalid day" << endl;</pre>
```

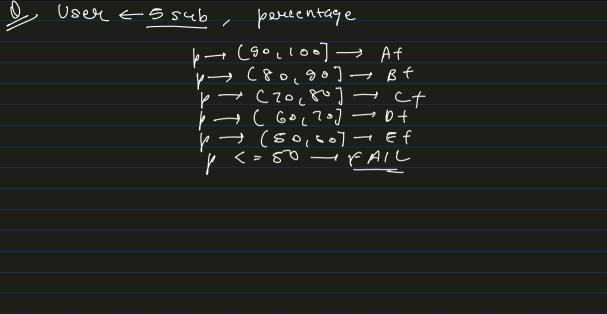
switch (day) {

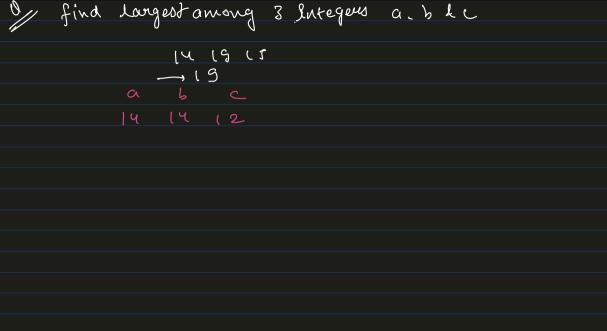
WAP to take character as input & check wheather ût is a digit, uppercase alphabet, lowercase alphabet, special character

# ASCII value & their couresponding decimal value

							2 91911			70							
0	NUL	16	DLE	32	SPC	C48	0		64	@	₹ 80	р		96	,	/ 112	р
1	SOH	17	DC1	33	1	49	1	╟	65	A	81	-	⊩	<b>3</b> 7		113	-
1	7 / 1							⊮				Q	H	-	. a		q
2	STX	18	DC2	34		50	2	Щ	66	В	82	R	Ш	98	b	114	r
3	ETX	19	DC3	35	#	51	3	Ц	67	С	83	S	L	99	С	115	S
4	EOT	20	DC4	36	\$	52	4		68	D	84	T		100	d	116	t
5	ENQ	21	NAK	37	%	53	5		69	E	85	U		101	e	117	u
6	ACK	22	SYN	38	&	54	6		70	F	86	V		102	f	118	V
7	BEL	23	ETB	39	t	55	7		71	G	87	W		103	g	119	W
8	BS	24	CAN	40	(	56	8	7	72	Н	88	X	Z	104	h	120	X
9	HT	25	EM	41	)	<b>V</b> 57	9	К	73	1	89	Y		105	i	121	У
10	LF	26	SUB	42	*	58	:		74	J	90	Z		106	j	122	Z
11	VT	27	ESC	43	+	59	;		75	K	91	[		107	k	123	{
12	FF	28	FS	44	,	60	<		76	L	92	1	1	108	1	124	
13	CR	29	GS	45	-	61	=		77	M	93	]		109	m	125	}
14	SO	30	RS	46		62	>		78	N	94	٨		110	n	126	~
15	SI	31	US	47	/	63	?		79	0	95	_	1	111	0	127	DEL
Party.					10									0			V.

```
if (ch >= '0' and ch <= '9') {
    cout << "Digit" << endl;</pre>
else if (ch >= 'A' and ch <= 'Z') {
    cout << "Upper Case Alphabet" << endl;</pre>
else if (ch >= 'a' and ch <= 'z') {
    cout << "Lower Case Alphabet" << endl;</pre>
    cout << "Special Character" << endl;
```





Brogeram to convert given total seconds into hours, minutes and second format Ill-> 4820 Olp -> Ihr 20 min 20 sec

$$8 = 4220 \qquad | wi \rightarrow 60 \times 60 = 3600 \subseteq$$

$$5 = 8 | 3600 \qquad | 4820 | 3600 = 3600 \subseteq$$

$$6 = 1 | 60 \times 60 = 3600 \subseteq$$

 $S = S^{0} \cdot 3600$   $M = S \mid 60$   $S = 8^{0} \mid 60$ 

Program to make an arithematic calculation using menu Enter two numbers: 10 10 Enter two numbers: 18 19 " I/P Choose from the MENU: Choose from the MENU: 1.ADDITION 1.ADDITION 52,00kg 2.SUBTRACTION 2.SUBTRACTION 3.MULTIPLICATION 3 MULTIPLICATION 4. DIVISION 4.DIVISION Enter your choice: 1 Enter your choice: 2 0/2

Enter two numbers: 7 5
Choose from the MENU:

Enter your choice: 2
Difference: -1

Enter two numbers: 14 7
Choose from the MENU:

12: 33-: us

Choose from the MENU:

1.ADDITION

2.SUBTRACTION

3.MULTIPLICATION

4.DIVISION

Enter your choice: 3

Product: 35

Choose from the MENU:

1.ADDITION

2.SUBTRACTION

3.MULTIPLICATION

4.DIVISION

Enter your choice: 4

Quotient: 2



# Choose from the MENU!

- 1 Rectangle 2 · Square
- 3 Triangle
- y. circle
- Enter the choice:

#### C:\Users\owner\Desktop\C++ codes\area.exe CHOOSE FROM THE THE MENU RECTANGLE SOAHRE TRIANGLE CIRCLE NTER THE SHAPE NUMBER: 1 ENTER LENTH AND BREADTH: 12

### C:\Users\owner\Desktop\C++ codes\area.exe CHOOSE FROM THE THE MENU

- RECTANGLE SQAURE TRIANGLE
- NTER THE SHAPE NUMBER: 2
- ENTER SIDE: 6 AREA: 36

## C:\Users\owner\Desktop\C++ codes\area.exe

- CHOOSE FROM THE THE MENU RECTANGLE 2.SQAURE 3.TRIANGLE
- ENTER THE SHAPE NUMBER: 3 \_\_\_\_\_ ENTER BASE AND HEIGHT: 45

## C:\Users\owner\Desktop\C++ codes\area.exe

- CHOOSE FROM THE THE MENU
- RECTANGLE
- 2.SQAURE 3.TRIANGLE
- ENTER RADII: 56
- AREA: 9847.04

```
cout << "choose from the menu" << endl;
  cout<<"1.rectangle"<<endl;
  cout << "2.triangle" << endl;
  cout << "3. square " << endl;
  covc<<"4.circle"<<endl;
 cout < "enter the choice" < endl
1f(cho1ce==1){
 cout << "enter the lenth and breadth: ";
 1,b;
gin>>l>>b:
_cout<<(1*b)<<end1;
Pise if(choice==2){
  cout << "enter the base and height: ";
b,h;
can>>b>>h:
  cout<<(1/2 )*/*b<<endl;
 //se if(choice==3){
 cout << "enter the side";
  Int S;
 cout << s*s << end1:
 else if (choice==4){
 cout << "enter the radius";
 cin>>r>>endl;
  cout<<(a=3.14*r*2)<<end1;
```