**OPERATOR PRECEDENCE**

#include <stdio.h>

int main()

{

int c;

c=20/200\*200;

printf("%d",c);`

return 0**;**

**}**

**-----------**

#include <stdio.h>

int main()

{

int x=10;

char y='a';

x=x+y;

float z=x+1.0;

printf("%d,z = %f",x,z);

return 0;

}

**------------**

#include <stdio.h>

int main()

{

int c;

c=(float)20/200\*200;

printf("%d",c);

return 0;

}

#include<stdio.h>

void main()

{

double x =1.2;

int sum;

sum=(int)x+1;

printf("sum=%d",sum);

}

-------------

**>>>>>>> CONTROL STATEMENTS <<<<<<<<<**

**>Selection statements**

**>Iterative statements**

**>Jump statements**

**Selection**

**--**simple if

----if else

----if else ladder

----Switch case

**IF CASE**

#include <stdio.h>

void main()

{

int m;

printf("enter a number");

scanf("%d",&m);

if(m>=0)

printf("entered number is positive");

}

**IF ELSE**

#include <stdio.h>

void main()

{

int m;

printf("enter a number");

scanf("%d",&m);

if(m%2==0)

printf("entered number is even");

else

printf("entered number is odd");

}

**IF ELSE LADDER**

#include <stdio.h>

void main()

{

char ch;

scanf("%c",&ch);

if(ch>='65&& ch<='90')

printf("uppercase alphabet");

else if(ch>='a'&& ch<='z')

printf("lower case alphabet");

else if(ch>=48&&ch<=57)

printf("digit");

else

printf("invalid input");

}

**SWITCH CASE**

#include <stdio.h>

void main()

{

int n;

scanf("%d",&n);

switch(n)

{

case 1:printf("sunday");

break;

case 2:printf("monday");

break;

case 3:printf("tuesday");

break;

case 4:printf("wednesday");

break;

case 5:printf("thursday");

break;

case 6:printf("friday");

break;

case 7:printf("saturday");

break;

default:printf("invalid input");

}

}

----------

#include <stdio.h>

void main()

{

int a,b,ch;

scanf("%d%d%d",&a,&b,&ch);

switch(ch)

{

case 1:printf("%d",a+b);break;

case 2:printf("%d",a-b);break;

case 3:printf("%d",a\*b);break;

case 4:printf("%d",a/b);break;

case 5:printf("%d",a%b);break;

default:printf("invalid input");

}

}

------

#include <stdio.h>

void main()

{

int a,b;

char ch;

scanf("%d%d %c",&a,&b,&ch);

switch(ch)

{

case '+':printf("%d",a+b);break;

case '-':printf("%d",a-b);break;

case '\*':printf("%d",a\*b);break;

case '/':printf("%d",a/b);break;

case '%':printf("%d",a%b);break;

default:printf("invalid input");

}

}

**------------**

**LOOP CONTROL STRUCTURES:**

>>To execute a statement…….

#include <stdio.h>

void main()

{

int a;

a=6;

while(a<=8)

{

printf("%d ",a);

a++;

}

}

**-------------**

#include <stdio.h>

void main()

{

int a;

a=6;

while(a>=1)

{

printf("%d ",a);

a--;

}

}

--------

#include <stdio.h>

void main()

{

int i,n;

scanf("%d ",&n);

i=n;

while(i>=0)

{

printf("%d",i);

i-=2;

}

}

------------------------

#include <stdio.h>

void main()

{

int i=6;

while(i<=20)

{

printf(" %d",i);

i+=2;

}

}

--------

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#include <stdio.h>

void main()

{

int i;

i=1;

do

{

printf(" %d",i);

i+=2;

}while(i<=10);

}

------------------

**FOR LOOP**

**Syntax (for ( init; condition;increment ) {**

**statement(s);**

**}**

**)**

#include <stdio.h>

void main()

{

int i;

for(i=1;i<=6;i++)

printf("%d",i);

}

*#include <stdio.h>*

*void main()*

*{*

*int i;*

*for(i=1;i<20;i+=2);*

*printf("%d",i);*

*}*

*---------------------------------*

*#include <stdio.h>*

*void main()*

*{*

*int i;*

*for(i=1;i%5;i++)*

*printf("%d",i);*

*}*

--------------------

# Digits of a given number

#include<stdio.h>

void main()

{

int n,r;

scanf(" %d",&n);

while(n!=0)

{

r=n%10;

printf("%d",r);

n=n/10;

}

}

-------------------------------------------------

void main()

{

int n,r,s;

s=0;

scanf(" %d",&n);

while(n!=0)

{

r=n%10;

s=s\*10+r;

n=n/10;

}

printf("%d",s);

}

=--------------------------------------------

>>> sum of 1st and last digit

#include<stdio.h>

void main()

{

int n,r,s,t;

s=0;

scanf(" %d",&n);

t=n%10;

while(n!=0)

{

r=n%10;

n=n/10;

}

printf("%d",t+r);

}

----------------------------------------

# sum of odd digits in a number

#include<stdio.h>

void main()

{

int n,r,s;

s=0;

scanf(" %d",&n);

while(n!=0)

{

r=n%10;

if(r%2==1)

s=s+r;

n=n/10;

}

printf("%d",s);

}