**Hello world in quotes**

#include <stdio.h>

int main()

{

printf("\"Hello World\" ");

return 0;

}

**Incrementing operators**

#include <stdio.h>

int main()

{

int a,b;

a=10;

b=++a;

printf("\n a=%d",a);

printf("\n b=%d",b);

return 0;

}

Output is a=11

b=11

int main()

{

int a,b;

a=10;

b=a++; #post increment----- here first assignment then increment

printf("\n a=%d",a);

printf("\n b=%d",b);

return 0;

}

Output is a=11

b=10

**Comparision and assignment operators**

#include <stdio.h>

int main()

{

int n;

printf("\n please enter 9:");

printf("%d",&n);

if (n==9) // comparision

printf("\n thank u");

if(n=9) //assignment

printf("\n sorry");

return 0;

}

Output :

9 thank u

Sorry

8 sorry

**Conditional operators**

#include <stdio.h>

int main()

{

int n;

printf("\n enter a no:");

scanf("%d",&n);

printf(n>0?"positive":"negative");

}

#include <stdio.h>

int main()

{

int n;

printf("\n enter a no:");

scanf("%d",&n);

printf(n>0?"positive":n<0?"negative":"zero");

}

Conditional operators

#include <stdio.h>

int main()

{

int a,b,c;

printf("\n enter 3 no:");

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

printf(a==b && a==c ?"all are equal" :a>b && a>c ? "a is big" :b>c ? "b is big" : "c is big");

}

#include <stdio.h>

main ()

{

int a=2.3;

float b=10;

char c=65;

printf ("\n a = %d",a);

printf ("\n b = %f",b);

printf ("\n c = %c",c);

}

Output:

a = 2

b = 10.000000

c = A

**/\* ascii\*/**

#include <stdio.h>

main ()

{

int var=65;

char ch='a';

printf ("\n var = %d",var);

printf ("\n var = %c",var);

printf ("\n ch = %c",ch);

printf ("\n ch = %d",ch);

}

var = 65

var = A

ch = a

ch = 97

**/\* ascii chart\*/**

#include <stdio.h>

main ()

{

int i;

for(i=0;i<256;i++)

printf ("\n %d \t %c",i,i);

}

0

1

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3

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56 8

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58 :

59 ;

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61 =

62 >

63 ?

64 @

65 A

66 B

67 C

68 D

69 E

70 F

71 G

72 H

73 I

74 J

75 K

76 L

77 M

78 N

79 O

80 P

81 Q

82 R

83 S

84 T

85 U

86 V

87 W

88 X

89 Y

90 Z

91 [

92 \

93 ]

94 ^

95 \_

96 `

97 a

98 b

99 c

100 d

101 e

102 f

103 g

104 h

105 i

106 j

107 k

108 l

109 m

110 n

111 o

112 p

113 q

114 r

115 s

116 t

117 u

118 v

119 w

120 x

121 y

122 z

123 {

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125 }

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**/\* explicit type casting\*/**

#include <stdio.h>

main ()

{

int rno,s1,s2,s3,tot;

char name[20];

float avg;

printf("\n enter roll no:");

scanf("%d",&rno);

printf("\n enter name:");

scanf("%s",&name);

printf("\n enter marks:");

scanf("%d %d %d",&s1,&s2,&s3);

tot= s1+s2+s3;

avg=(float)tot/3;

printf("\n Roll no:%d",rno);

printf("\n student name:%s",name);

printf("\n total:%d",tot);

printf("\n average:%f",avg);

enter roll no:48

enter name:priya

enter marks:93

87

79

Roll no:48

student name:priya

total:259

average:86.333336

**/\* command line arguments\*/**

#include<stdio.h>

#include<stdlib.h>

void main(int argc,char \*argv[])

{

int a,b;

if(argc<0)

printf("\n invalid no of arguments");

else

{

a=atoi(argv[1]);

b=atoi(argv[2]);

printf("\n sum is %d",a+b);

}

}

**Finding case of variable**

#include<stdio.h>

#include<stdlib.h>

main()

{

char n;

scanf("%c",&n);

if(n>=97 && n<=122)

printf("lower case");

else if(n>=65 && n<=90)

printf("upper name");

else

printf("digit");

}

7

digit

B

Upper case

H

Lower case

**Leap year logic**

#include<stdio.h>

#include<stdlib.h>

main()

{

int year;

printf("\n year:");

scanf("%d",&year);

if((year%4==0 && year%100!=0)||year%400==0)

printf("\n leap year");

else

printf("\n not leap year");

}