**ASSIGNMENT-3**

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**2.** #include<stdio.h>

int main()

{

int days,year,week,day;

printf("Enter the number of days ");

scanf("%d",&days);

year=days / 365;

week=(days % 365) / 7;

day=(days % 365) % 7;

printf("%d days=%d year\t%d week\t %d day", days, year, week, day);

return(0);

}

Output:-

Enter the number of days 45

45 days=0 year 6 week 3 day

**3.** #include<stdio.h>

int main()

{

float weight1,weight2,item1,item2,avg;

printf("Enter the weight of two items ");

scanf("%f %f",&weight1,&weight2);

printf("Enter the number of two items");

scanf("%f %f",&item1,&item2);

avg=(weight1\*item1) + (weight2\*item2) / (item1+item2);

printf("Average number of purchase is %f",avg);

}

Output:-

Enter the weight of two items 15.40

25.50

Enter the number of two items5

4

Average number of purchase is 88.333

**4.** #include<stdio.h>

int main()

{

int day;

printf("Enter the number of day ");

scanf("%d",&day);

switch (day)

{

case 1:

printf("Sunday");

break;

case 2:

printf("Monday");

break;

case 3:

printf("Tueseday");

break;

case 4:

printf("wednessday");

break;

case 5:

printf("Thuseday");

break;

case 6:

printf("Friday");

break;

case 7:

printf("Saturday");

break;

default:

printf("Invalide number entered");

}

return(0);

}

Output:-

Enter the number of day 6

Friday

**5**.#include<stdio.h>

int main()

{

float celsius,fahrenheit;

printf("Enter the temperture in celsius");

scanf("%f",&celsius);

fahrenheit=(celsius\*9/5)+32;

printf("%.2f celsius=%.2f farhenheit",celsius,fahrenheit);

return(0);

}

Output:-

Enter the temperture in celsius45

45 celsius=113.00 farhenheit

**6.** #include<stdio.h>

int main()

{

int minute,hour,minutes;

printf("Enter the minute ");

scanf("%d",&minute);

hour=minute/60;

minutes=minute%60;

printf("%d minutes=%d hour %d minutes",minute,hour,minutes);

return(0);

}

Output:-

Enter the minute 65

65 minutes=1 hour 5 minutes

**7.** #include<stdio.h>

int main()

{

float height,weidth,perimeter;

printf("Enter the value of height");

scanf("%f",&height);

printf("Enter the value of weidth");

scanf("%f",&weidth);

perimeter=2\*(height+weidth);;

printf("perimeter=%f",perimeter);

return(0);

}

Output:-

Enter the value of height13

Enter the value of weidth25

perimeter=76.00

**8.**#include<stdio.h>

int main()

{

int num1,num2,add,div,moduls,graterequal;

printf("Enter the value of num1\t");

scanf("%d",&num1);

printf("Enter the value of num2\t");

scanf("%d",&num2);

add=num1+num2;

div=num1/num2;

num1%=num2;

if(num1>=num2)

{

printf("gratereual\n");

}

else

{

printf("not graterequal\n");

}

if(num1!=num2)

{

printf("number is not equal\n");

}

else

{

printf("number is equal\n");

}

printf("add=%d\ndiv=%d",add,div);

return(0);

}

Output:-

Enter the value of num1 20

Enter the value of num2 10

Gratereual

number is not equal

add=30

div=2

**9.** #include<stdio.h>

int main()

{

int a,b,c,num,i,logical=0;

printf("Enter the value of a and b and c and num ");

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

printf("Bitwise AND (&) %d \n",a&b);

printf("Bitwise OR (|) %d \n",a|b);

for(i=0;i<=1;++i)

{

printf("Right Shift in %d=%d\n",i,num>>i);

}

(a%2==0)?printf("Number is even \n"):printf("Number is odd \n");

logical= (a==b) || (c<b);

printf("Logical OR is %d",logical);

return(0);

}

Output:-

Enter the value of a and b and c and num 12

25

10

212

Bitwise AND (&) 8

Bitwise OR (|) 29

Right Shift in 0=212

Right Shift in 1=106

Number is even

Logical OR is 1

**10.** #include<stdio.h>

int main()

{

int int1;

float float1;

double double1;

char char1;

printf(("size of int=%d \n size of float=%lu \n size of double=%lu \n size of char=%lu "),sizeof(int1),sizeof(float1),sizeof(double1),sizeof(char1));

return(0);

}

Output:-

Size of int=4

Size of float=4

Size of double=8

Size of char=1