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()

```c
{
    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.
```c
#include<stdio.h>
int main()
{
    int day;
    printf("Enter the number of day ");
    scanf("%d",&day);
```

```c
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");
```

```c
                break;
                default:
                printf("Invalide number entered");
        }
        return(0);
}
```

Output:-

Enter the number of day 6

Friday

5.
```c
#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");

```c
        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.
```c
#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;
```

```c
        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