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where ***gross\_salary=basic+da+ta*** and da is 10% of basic and ta is 12% of basic.

Exercise 1

q-1 #include <stdio.h>

*int* main()

{

    printf("Hello World");

     return 0;

}



q-2 #include <stdio.h>

*int* main()

{

    printf("enter an integer\n");

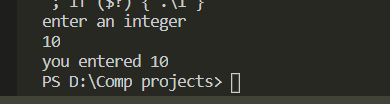
*int* a ;

    scanf("%d",&a);

    printf("you entered %d",a);

     return 0;

}



q-3#include <stdio.h>

*int* main()

{

    printf("enter a decimal number\n");

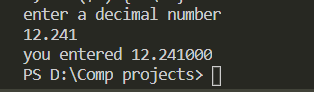
*float* a ;

    scanf("%f",&a);

    printf("you entered %f",a);

     return 0;

}



q-4 (method 1) #include <stdio.h>

*int* main()

{

    printf("enter a character\n");

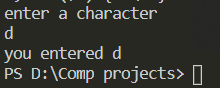
*char* a ;

    scanf("%c",&a);

    printf("you entered %c",a);

     return 0;

}



q-4 (method 2) #include <stdio.h>

*int* main()

{

    printf("enter a character\n");

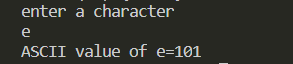
*char* a ;

    scanf("%c",&a);

    printf("ASCII value of %c=%d",a,a);

     return 0;

}



q-5#include <stdio.h>

*int* main()

{

*int* a, b;

    printf("enter numerator\n");

    scanf("%d", &a);

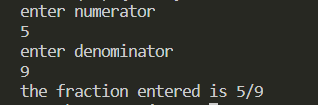
    printf("enter denominator\n");

    scanf("%d", &b);

    printf("the fraction entered is %d/%d", a, b);

    return 0;

}



q-6

#include <stdio.h>

#include <math.h>

*int* main()

{    printf("enter the 2 numbers \n");

*int* a,b;

      scanf("%d %d",&a,&b);

     printf("the sum is %d\n",a+b);

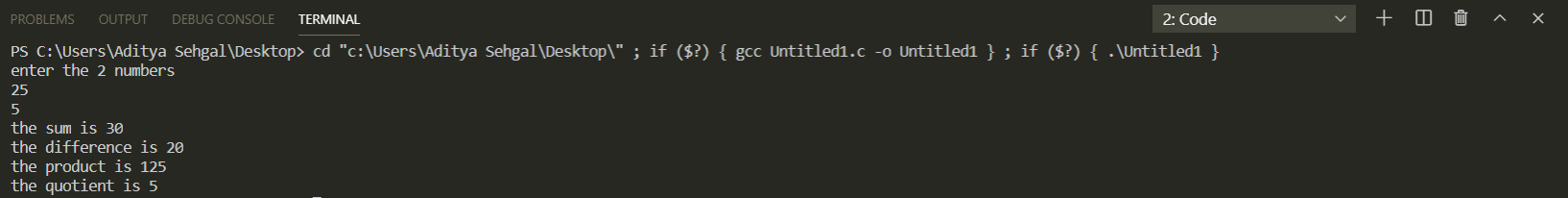
     printf("the difference is %d\n",a-b);

     printf("the product is %d\n",a\*b);

     printf("the quotient is %d \n",a/b);

      return 0;

}



q-7 #include <stdio.h>

#include <math.h>

*int* main()

{    printf("enter the base and exponent \n");

*float* a,b,ans;

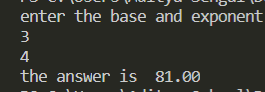
      scanf("%f %f",&a,&b);

     ans=pow(a,b);

     printf("the answer is  %0.2f",ans);

      return 0;

}



q-8#include <stdio.h>

*int* main()

{    printf("enter the radius of cirle \n");

*float* r,area;

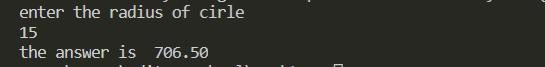
      scanf("%f",&r);

     area=3.14\*r\*r;

     printf("the answer is  %0.2f",area);

      return 0;

}



Q-9

START

FLOWCHART

Si=(p\*r\*t)/100

STOP

Print si

Input p  
input r

Input t

Si=0

q-9

#include <stdio.h>

*int* main()

{     *float* p,r,t,si;

      printf("enter the principal \n");

      scanf("%f", &p);

      printf("enter the interest rate \n");

      scanf("%f", &r);

      printf("enter the time \n");

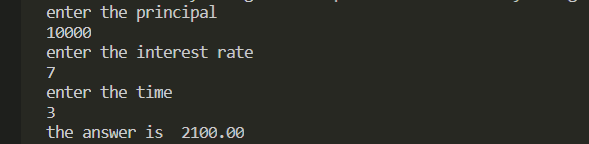
      scanf("%f", &t);

      si= (p\*r\*t)/100;

      printf("the answer is  %0.2f", si);

      return 0;

}



q-10

#include <stdio.h>

#include <math.h>

*int* main()

{     *float* p,r,t,ans;

      printf("enter the principal \n");

      scanf("%f", &p);

      printf("enter the interest rate \n");

      scanf("%f", &r);

      printf("enter the time \n");

      scanf("%f", &t);

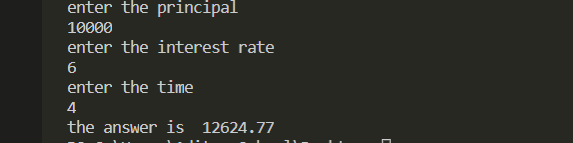
*float* x=1+(r/100);

*float* interest=pow(x,t);

      printf("the answer is  %0.2f", p\*interest);

      return 0;

}



q-11

#include <stdio.h>

// gross\_salary=basic+da+ta and da is 10% of basic and ta is 12% of basic.

*int* main()

{     *float* gs,basic,da,ta;

      printf("enter the basic salary \n");

      scanf("%f", &basic);

      da=0.1\*basic;

      ta=0.12\*basic;

      gs=basic+da+ta;

      printf("the answer is  %0.2f", gs);

      return 0;

}



Q-11

STOP

Print gs

da=0.1\*basic

ta=0.12\*basic

gs=ta+ba+basic

Input basic salary(basic)

START

FLOWCHART