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Assingment - 9
   (1) WAP which takes the month number as an input and
        display number of days in that month
Ans -
       # include & stdio h >
       int main()
         int month;
        Input month number from user 1
        points (" enter month number (1-12):"
        Scanf ("olod", Smonth );
        Switch (month)
       Case 1:
              prints ("31 days");
             point f ("28/29 days");
             parintf ("31 days"); break;
             pointf (" 30 days"); be
              pointf ("31 days");
             point ("30 days");
              paint [ " 31 days");
             break;
        Case 8;
```

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printf ("31 days");
     break;
  Case 10: Sreak: 30 days");
       print (" 31 days");
       break;
  Case 11:
      printfl" 30 days");
      break;
   Case 12;
        pointf (" 31 days");
       break;
   default:
        prints ("Invalid input"
         return 0;
(2) Write a menu driven program with the following
   options:
 2. Addition
 b. Suptraction
 C. Multiplication
 d. Division
 e. Exit
    # include x stdio. h)
    # include (stalib.h)
```

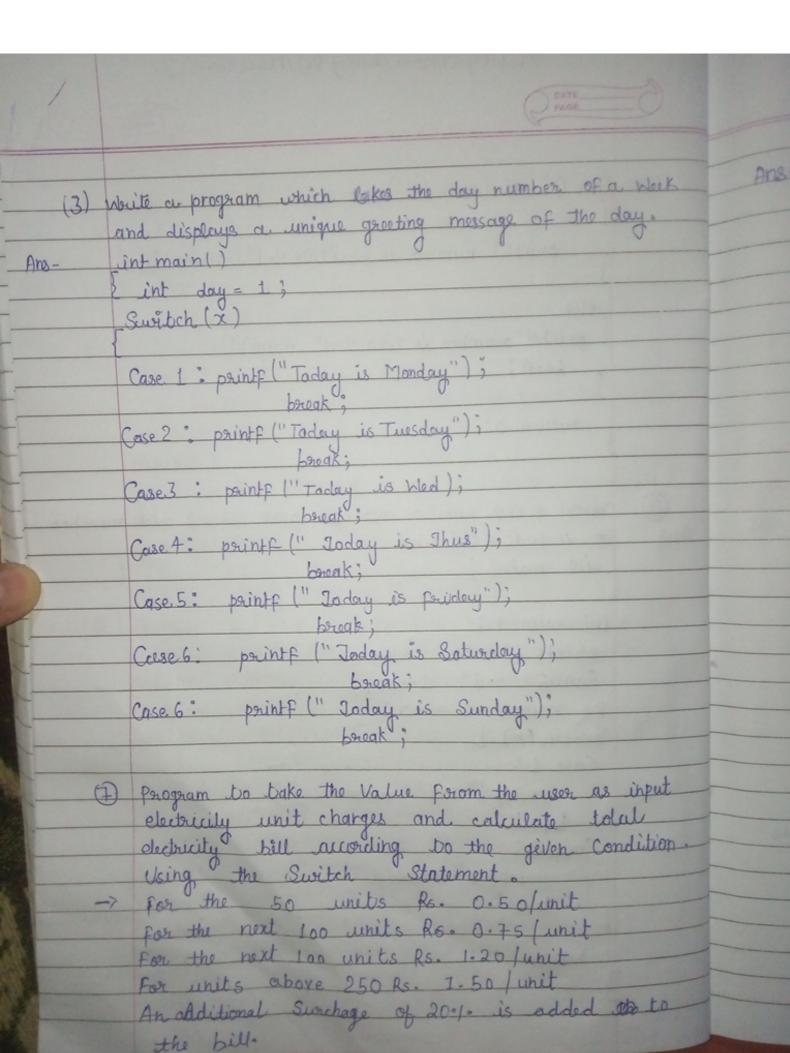
```
int main()
 int x, a, b;
perintf ("In enter your choice");
Scanf [" o/o d" , 2x);
Switch(x)
Case 1:
    printf ("enter two numbers")
    Scanfl" 1.d 1.d" , 2a, 8b);
    paintfl"Sum is old", a+bli
     break ?
Case ? "
      printf ("enter two numbers");
      Scanf ("1.d 1.d", &a, &b);
      printf ("Dipperence istd", 2-6);
     break;
Case 3:
     prints (" enter two numbers");
      Scanf ("-1d 1-d", da, &b);
      printf ("product is o jod", axb);
      break.
 Case 4:
       printf("enter two numbers");
      Scanf ("-/-d-1-d", da, sb)
 Cases; painty ("Division is 1.d", alb);
   pountflexil (0);
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OATE PAGE

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(5) Convert the following if else-if construct into
      switch Case;
     # include ( stdio. h)
     int main()
     int x
     Switch(x)
     Case = = 1
          printf(" good");
           break;
     Case = 3 break;
            printf(" best");
            bareak',
     (900 00
      depault:
             perintf(" invalid");
     Program to check whether a year is a loap year or not using swith Switch statement.
Ans
      Hindude (stdio. h)
       int main () {
       int y, r;
         Ily value of the year
       printf("-- Enter the year -- \n");
        Sconf ("10d", &y);
```

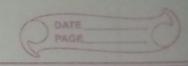
```
r=y010400==011y010100==011y0104==0;
     Switch (r) }
            printf ("In % d is the leap year. In", y);
            pointf ("Inoted is not the loap year . h", y);
      depault:
            printf ("In of d is not the leap year in , y);
        return 0;
  (8) Program to Convert a positive number into a
      negative number and negative number into a
      positive number Using Switch Statement.
        # include (stdio.h)
Ans
       int main()
       int num;
            printf(" enter a number");
           Sconf ("ofod", &num);
       Switch (numso)
         Case 1 : prints (" number is negative -olod", num);
                 break:
```

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Case O: if (num (0)
           printf ("number is positive olod", - num);
       else
       printpl" number is 7020 % od", num);
        break?
        neturn O:
      Convert a even number into its upper neurest odd number.
Ans
      # include (stdip.h)
       int main()
       int num, r;
        printf ("enter a number");
        Scanf (" . ! . d" , & num );
        r= num o/ 0 2 = = 0;
       Switch (r) {
        case 1:
           printf (" -/ · d" mum + 1);
         bereak
         Case D;
            point ( ! invalid ");
           break ;
         notureh O;
```



```
int main ()
Ans-
     } int x, amount = 0, total = 0;
      paintf (" entor a value");
      Scanfl" olod", ex);
     Switch (X <= 50)
       case 1: amount = x 0.5;
             break;
       Case O: Switch (x <= 150)
                 Case 1 = amount = 25 + (x-50) * 0.75;
                     break?
                 Case O: Switch (x 4 = 250)
                       Case 1: amount = 100+(x-150) 1. 20;
                         break;
                       Case D: amount = 220 + (x-250) + 1.5;
                         break
                       break?
          Lotal = amount + amount * 0-20;
            printf (" Jobal amount = 1. F", total);
            neturn 0;
```

(4) White a menu driven program with the following options (2) check wheather a given set of three numbers are lengths the an isosreles tringle ær not (C) -11 - equitateral tringle or not (d) exit Ans int main! 2 ant choice, a, b, C prints (" enter un choice \n'); printf ("1 To check is osceles Tringle \n"); printf ("2 To check Right angle Jeringle In"); points 1" 3 To check to con equilateral Tringle \n"); Scanf ("1.d", & choice); printf l'enter length of 3 sides of Tringle \n'); Scanf (" of od 1.d. 1.d; &a, 86,80); Switch (choice) Casel: oif(a==bill b==c 11 c==a) printf ("isosceles"); else. points (" Not an isosceles"); Case 2: if (axa = = bxb+c*c11 bxb = = c*c+axa 11 cxc = q* a + b*b) print [" Right Jeringle"]; else prints ("Not a Right Irriangle"); break;



Case 3: if((a = = b) && (b = = c))

printf (" equilateral Juingle");

else

prints (" Not an equilateral Iringle);

depault:

peint ('invalid');

neturn 0;

