SWITCH CASE :::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::

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| 1.  #include <stdio.h>  int main()  {  int week\_num;  printf("Input week number : ");  scanf("%d",&week\_num);  switch(week\_num)  {  case 1:  printf("Saturday");  break;  case 2:  printf("Sunday");  break;  case 3:  printf("Monday");  break;  case 4:  printf("Tuesday");  break;  case 5:  printf("Wednesday");  break;  case 6:  printf("Thursday");  break;  case 7:  printf("Friday");  break;  default:  printf("You enter wrong nuber!!!!");  break;  }  return 0;  } | 2.  #include <stdio.h>  int main()  {  int month;  printf("Input month number : ");  scanf("%d", &month);  switch(month)  {  case 1:  printf("31 days");  break;  case 2:  printf("28 or 29 days");  break;  case 3:  printf("31 days");  break;  case 4:  printf("30 days");  break;  case 5:  printf("31 days");  break;  case 6:  printf("30 days");  break;  case 7:  printf("31 days");  break;  case 8:  printf("31 days");  break;  case 9:  printf("30 days");  break;  case 10:  printf("31 days");  break;  case 11:  printf("30 days");  break;  case 12:  printf("31 days");  break;  default:  printf("Invalid input! Please enter month number between 1-12");  }return 0; } |
| 3.  #include <stdio.h>  int main()  {  char ch;  printf("Input any alphabet: ");  scanf("%c", &ch);  switch(ch)  {  case 'a':  printf("Vowel");  break;  case 'e':  printf("Vowel");  break;  case 'i':  printf("Vowel");  break;  case 'o':  printf("Vowel");  break;  case 'u':  printf("Vowel");  break;  case 'A':  printf("Vowel");  break;  case 'E':  printf("Vowel");  break;  case 'I':  printf("Vowel");  break;  case 'O':  printf("Vowel");  break;  case 'U':  printf("Vowel");  break;  default:  printf("Consonant");  }  return 0;  } | 4.  #include <stdio.h>  int main()  {  int num1, num2;  printf("Input two numbers to find maximum: ");  scanf("%d %d", &num1, &num2);  switch(num1 > num2)  {  case 0:  printf("Maximum is = %d\n", num2);  break;  case 1:  printf("Maximum is = %d\n", num1);  break;  }  return 0;  } |

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| 5.  #include <stdio.h>  int main()  {  int n;  printf("Input a number : ");  scanf("%d",&n);  switch(n%2==0)  {  case 0:  printf("This number is odd number");  break;  case 1:  printf("This number is even number");  break;  }  return 0;  } |  | 6.  #include <stdio.h>  int main()  {  int n;  printf("Input a number : ");  scanf("%d",&n);  switch(n>0)  {  case 1:  printf("%d is a positive number",n);  break;  case 0:  switch(n<0)  {  case 1:  printf("%d is a negative number",n);  break;  case 0:  printf("This number is Zero");  break;  }  break;  }  return 0;  } |

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| 7.  #include <stdio.h>  #include<math.h>  int main()  {  float a,b,c,d;  double root1,root2;  printf("Input a,b,c value : ");  scanf("%f %f %f",&a,&b,&c);  d=(b\*b-4\*a\*c);  root1=(-b+sqrt(d))/(2\*a);  root2=(-b-sqrt(d))/(2\*a);  switch(d>0)  {  case 1:  printf("Real root exist and Root1 = %lf Root2 = %lf\n",root1,root2);  break;  case 0:  switch(d<0)  {  case 1:  printf("Real root doesn't exist!!");  break;  case 0:  printf("Real Root exist and Root1=Root2=%lf\n",root1);  break;  }  break;  }  return 0;  } | 8.  #include <stdio.h>  int main()  {  char ch;  double a,b,r;  scanf("%lf%c%lf",&a,&ch,&b);  switch(ch)  {  case '+':  printf("=%lf",a+b);  break;  case '-':  printf("=%lf",a-b);  break;  case 'x':  printf("=%lf",a\*b);  break;  case '/':  printf("=%lf",a/b);  break;  default:  printf("Please operation of + - \* or / !!!");  break;  }  return 0;  } |