package main

import (

"fmt"

)

/\* This is a comment \*/

//This is also a comment

func main(){

name := "Jitendra"

fmt.Printf("Hello %s\n", name)

}

package main //use of package keyword

import (

"fmt"

"time"

) //use of import keyword

type person struct { //use of type keyword

name string

age int

} // use of struct keyword

type interface\_example interface{

interface\_function\_int() int

interface\_function\_str() string

} // use of interface keyword

func interface\_function\_str() (string){

return "returning from function" //use of return keyword

}

func main() { //func keyword

var str = "hello world” //var keyword

const num = 10 //const keyword

arr := [6] int {10, 20, 30, 40, 50, 60}

map\_data := map[string]int{

"hello":80,

"world":45,

} //declare map

cs1 := make(chan string) // declare channel

cs2 := make(chan string)

go func() {

time.Sleep(1 \* time.Second)

cs1<- "one"

}()

fmt.Println(str,num, map\_data,cs1)

if num>100{ //use of if keyword

fmt.Println("num is greater than 100")

} else { // use of else keyword

fmt.Println("num is not greater than 100")

}

for pos, val := range arr { //use of for and range keyword

if (pos==5){

break //break keyword

}

if(pos==1){

continue //continue keyword

}

fmt.Printf("value at index %d is %d\n", pos, val)

}

fmt.Println(interface\_function\_str())

switch num { //switch keyword

case 1: //use of case keyword

fmt.Println("one")

case 2:

fmt.Println("two")

case 3:

fmt.Println("three")

default: //default keyword

fmt.Println("No match")

}

switch num {

case 1:

fmt.Println("one")

case 2:

fmt.Println("two")

case 10:

fmt.Println("three")

fallthrough //use of fallthrough keyword

default:

fmt.Println("default statement")

}

defer interface\_function\_str() //use of defer keyword

go interface\_function\_str() // use of go keyword

select {

case msg1 := <-cs1:

fmt.Println("received", msg1)

case msg2 := <-cs2:

fmt.Println("received", msg2)

} //use of select keyword

goto gotolabel //use of goto keyword

gotolabel:

fmt.Println("Inside goto statement")

}