Practice Sheet

**1. void m1()**

**{**

**int i;**

**printf("s1");**

**for(i=0;i<5;i++)**

**{**

**printf("s2");**

**if(i>=1)**

**break;**

**printf("s3");**

**}**

**printf("s4");**

**}**

**void main()**

**{**

**printf("s0");**

**m1();**

**printf("s5");**

**}**

**2. void m1()**

**{**

**int i;**

**printf("s1");**

**for(i=0;i<5;i++)**

**{**

**printf("s2");**

**if(i>=1)**

**continue;**

**printf("s3");**

**}**

**printf("s4");**

**}**

**void main()**

**{**

**printf("s0");**

**m1();**

**printf("s5");**

**}**

**3. void m1()**

**{**

**int i;**

**printf("s1");**

**for(i=0;i<5;i++)**

**{**

**printf("s2");**

**if(i>=1)**

**return;**

**printf("s3");**

**}**

**printf("s4");**

**}**

**void main()**

**{**

**printf("s0");**

**m1();**

**printf("s5");**

**}**

**4. void m1()**

**{**

**int i;**

**printf("s1");**

**for(i=0;i<10;i++)**

**{**

**printf("s2");**

**if(i>=1)**

**exit(1);**

**printf("s3");**

**}**

**printf("s4");**

**}**

**void main()**

**{**

**printf("s0");**

**m1();**

**printf("s5");**

**}**

**5. void m1()**

**{**

**int i;**

**printf("s1");**

**for(i=0;i<10;i++)**

**{**

**printf("s2");**

**if(i>=1)**

**goto LOOP;**

**printf("s3");**

**}**

**printf("ss");**

**LOOP:**

**printf("s4");**

**}**

**void main()**

**{**

**printf("s0");**

**m1();**

**printf("s5");**

**}**

**6. void m1()**

**{**

**int i;**

**printf("s1");**

**for(i=0;i<10;i++)**

**{**

**printf("s2");**

**if(i>=1)**

**goto LOOP;**

**printf("s3");**

**}**

**printf("s4");**

**}**

**void main()**

**{**

**printf("s0");**

**m1();**

**printf("s5");**

**LOOP;**

**}**

**7. Read the function conv() given below**

**conv(int t)**

**{**

**int u;**

**u=5/9 \* (t-32);**

**return(u);**

**}**

**What is returned**

**(a) 15 (b) 0 (c) 16.1 (d) 29**

**8. Write one statement equivalent to the following two**

**statements: x=sqr(a); return(x);**

**Choose from one of the alternatives**

**(a) return(sqr(a)); (b) printf("sqr(a)");**

**(c) return(a\*a\*a); (d) printf("%d",sqr(a));**

**9. int main(){**

**static int a=25;**

**void cdecl conv1() ;**

**void pascal conv2();**

**conv1(a);**

**conv2(a);**

**}**

**void cdecl conv1(int a,int b) {**

**printf("%d %d",a,b);**

**}**

**void pascal conv2(int a,int b) {**

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

**}**

**10.void cdecl fun1(int,int);**

**void pascal fun2(int,int);**

**int main(){**

**int a=5,b=5;**

**fun1(a,++a);**

**fun2(b,++b);**

**}**

**void cdecl fun1(int p,int q){**

**printf("cdecl:  %d %d \n",p,q);**

**}**

**void pascal fun2(int p,int q){**

**printf("pascal: %d %d",p,q);**

**}**

**11.void convention(int,int,int);**

**int main(){**

**int a=5;**

**convention(a,++a,a++);**

**}**

**void  convention(int p,int q,int r){**

**printf("%d %d %d",p,q,r);**

**}**

**12.void pascal convention(int,int,int);**

**int main(){**

**int a=5;**

**convention(a,++a,a++);**

**return 0;**

**}**

**void pascal  convention(int p,int q,int r){**

**printf("%d %d %d",p,q,r);**

**}**

**13.void convention(int,int);**

**int main(){**

**int a=1;**

**convention(a,++a);**

**}**

**void  convention(int a,int b){**

**printf("%d %d",a,b);**

**}**

**14.int f(int);**

**int main(){**

**int i=3,val;**

**val=sizeof (f(i)+ +f(i=1)+ +f(i-1));**

**printf("%d %d",val,i);**

**return 0;**

**}**

**int f(int num){**

**return num\*5;**

**}**

**15.int x = 0;**

**int main()**

**{**

**int i = (f() + g()) || g();**

**int j = g() || (f() + g());**

**}**

**int f()**

**{**

**if (x == 0)**

**return x + 1;**

**else**

**return x - 1;**

**}**

**int g()**

**{**

**return x++;**

**}**

**16.int x = 0;**

**int main()**

**{**

**int i = (f() + g()) | g();**

**int j = g() | (f() + g());**

**}**

**int f()**

**{**

**if (x == 0)**

**return x + 1;**

**else**

**return x - 1;**

**}**

**int g()**

**{**

**return x++;**

**}**

**17.In expression i = g() + f(), first function called depends on**

**a) Compiler**

**b) Associativiy of () operator**

**c) Precedence of () and + operator**

**d) Left to write of the expression**

**18.void main(){**

**int i=3,val;**

**val=sizeof f(i)+ +f(i=1)+ +f(i-1);**

**printf("%d %d",val,i);**

**}**

**int f(int num){**

**return num\*5;**

**}**

**19.int sq(int);**

**int main(){**

**int a=1,x;**

**x=sq(++a)+sq(a++)+sq(a++);**

**printf("%d",x);**

**return 0;**

**}**

**int sq(int num){**

**return num\*num;**

**}**

**20.void main() {**

**1 < 2 ? return 1: return 2;**

**}**

**21.void foo();**

**int main()**

**{**

**void foo(int);**

**foo(1);**

**return 0;**

**}**

**void foo(int i)**

**{**

**printf("2 ");**

**}**

**22.What is the output of this C code?**

**void foo();**

**int main()**

**{**

**void foo(int);**

**foo();**

**return 0;**

**}**

**void foo()**

**{**

**printf("2 ");**

**}**

**23.What is the output of this C code?**

**#include <stdio.h>**

**void m()**

**{**

**printf("hi");**

**}**

**void main()**

**{**

**m();**

**}**

**24.What is the return-type of the function sqrt()**

**a) int**

**b) float**

**c) double**

**d) Depends on the data type of the parameter**

**25.Which of the following function declaration is illegal?**

**a) double func();**

**int main(){}**

**double func(){}**

**b) double func(){};**

**int main(){}**

**c) int main()**

**{**

**double func();**

**}**

**double func(){//statements}**

**d) None of the mentioned**

**26.void foo()**

**{**

**return 1;**

**}**

**void main()**

**{**

**int x = 0;**

**x = foo();**

**printf("%d", x);**

**}**

**27.void foo(){**

**return 10;**

**}**

**void main(){**

**int a=1;**

**foo();**

**a=\_AX;**

**printf("%d",a);**

**}**

**28.What is the problem in the following declarations?**

**int func(int);**

**double func(int);**

**int func(float);**

**a) A function with same name cannot have different**

**signatures**

**b) A function with same name cannot have different return**

**types**

**c) A function with same name cannot have different number of**

**parameters**

**d) All of the mentioned**

**29.What is the output of this C code?**

**int main()**

**{**

**void foo();**

**void f()**

**{**

**foo();**

**}**

**f();**

**}**

**void foo()**

**{**

**printf("2 ");**

**}**

**30.What is the output of this C code?**

**int main(){**

**void foo(), f();**

**f();**

**}**

**void foo(){**

**printf("2 ");**

**}**

**void f(){**

**printf("1 ");**

**foo();**

**}**

**31.void f1(){**

**printf("f1");**

**}**

**void f2(){**

**printf("f2");**

**}**

**void f3(){**

**printf("f3");**

**}**

**void main()**

**{**

**f1()+f2()\*f3();**

**}**

**32.void main()**

**{**

**int a=1,b=a++ \* fun(++a);**

**printf("%d %d",a,b);**

**}**

**fun(int a){}**

**33.void main()**

**{**

**int a=1;**

**a=a++ \* fun(++a);**

**printf("%d",a);**

**}**

**fun(int a){}**

**34.int x=1;**

**void main()**

**{**

**int x=2;**

**display();**

**printf("%d",x);**

**}**

**void display()**

**{**

**printf("%d",x++);**

**}**

**35.void main()**

**{**

**int area;**

**float radius=2.0;**

**area=areacircle(radius);**

**printf(" %d",area);**

**}**

**areacircle(r)**

**float r;**

**{**

**float a;**

**a=3.14\*r\*r;**

**printf(" %f",a);**

**return a;**

**}**

**36.int x=1;**

**void main()**

**{**

**int x=2;**

**void display()**

**display();**

**printf(" %d",x);**

**}**

**void display()**

**{**

**printf(" %d",x++);**

**}**

**37.is given statement declaration or definition?**

**extern int x;**

**38.void main()**

**{**

**int i=45;**

**float c;**

**c=check(i);**

**printf("c=%f",c);**

**}**

**check(ch)**

**int ch;**

**{**

**ch>=45?return (3.14):return (6.28);**

**}**

**39.Which of the following is the correct order if calling**

**functions in the below code?**

**a = f1(23, 14) \* f2(12/4) + f3();**

**A. f1, f2, f3**

**B. f3, f2, f1**

**C. Order may vary from compiler to compiler**

**D. None of above**

**40.void main(){**

**goto abc;**

**printf("main");**

**}**

**void dispaly(){**

**abc:**

**printf("display");**

**}**

**41.int fun()**

**{**

**int x=1;**

**return ++x,++x,++x||x++;**

**}**

**void main()**

**{**

**printf("%d",fun());**

**}**

**42.int fun()**

**{**

**int x=1;**

**return ++x,++x,++x;**

**}**

**void main()**

**{**

**printf("%d",fun());**

**}**

**43.void swap(int a,int b)**

**{**

**int t;**

**t=a;**

**a=b;**

**b=t;**

**}**

**void main()**

**{**

**int a,b;**

**a=100;b=20;**

**swap(a,b);**

**printf("\na=%d b=%d",a,b);**

**}**

**44.void swap(int \*p1,int \*p2)**

**{**

**int t;**

**t=\*p1;**

**\*p1=\*p2;**

**\*p2=t;**

**}**

**void main()**

**{**

**int a,b;**

**a=10;b=20;**

**swap(&a,&b);**

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

**}**

**45.int main()**

**{**

**int arr[10]={1,2,3,4,5,6,7,8,9,10};**

**int t,i;**

**for(i=0;i<10/2;i++)**

**{**

**t=arr[i];**

**arr[i]=arr[9-i];**

**arr[9-i]=t;**

**}**

**for(i=0;i<10;i++)**

**printf("%d ",arr[i]);**

**}**

**46.void main()**

**{**

**static int x=1;**

**if(!x)**

**exit();**

**main(x=!printf("\n IS IT**

**GOOD?\n"),printf("%d",x=(EOF|EOF&EOF)));**

**getch();**

**}**

**47.main()**

**{**

**int i;**

**i = abc();**

**printf("%d",i);**

**}**

**abc()**

**{**

**\_AX = 1000;**

**}**

**48.What will be the data type returned for the following**

**function?**

**int func()**

**{**

**return (double)(char)5.0;**

**}**