

## PROGRAMMING MANUAL – FUNCTIONS PRACTICE

### Task 1 – Function timesTen

Statement:

Write a function named timesTen. The function should have one integer parameter named number. When called, it should display  $\text{number} \times 10$ .

Code:

```
void timesTen(int number)
{
    int result = number * 10;
    cout << "Result: " << result << endl;
}
```

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### Task 2 – Functions for Radius & Area of Circle

Statement:

Write one function that asks the user for the radius and returns it.

Write another function that takes the radius and returns the area of the circle.

Code:

```
double getRadius()
{
    double r;
    cout << "Enter radius: ";
    cin >> r;
    return r;
}
```

```
double circleArea(double radius)
{
    double area = 3.14159 * radius * radius;
    return area;
}
```

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### Task 3 – Even or Odd Function

Statement:

Write a function that accepts an integer and returns true if even, false if odd.

Code:

```
bool isEven(int num)
{
    if (num % 2 == 0)
        return true;
    else
        return false;
}
```

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### Task 4 – Add Two Numbers

Statement:

Write a function that takes two integers, adds them, and returns the sum.

Code:

```
int addNumbers(int a, int b)
```

```
{  
    return a + b;  
}
```

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#### Task 5 – Return Largest of Three

Statement:

Write a value-returning function that receives three integers and returns the largest.

Code:

```
int largest(int a, int b, int c)  
{  
    if (a > b && a > c)  
        return a;  
    else if (b > a && b > c)  
        return b;  
    else  
        return c;  
}
```

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#### NOTE FOR STUDENTS:

Type the code manually. Do not copy and paste.